

Exam Questions AI-102

Designing and Implementing an Azure AI Solution

<https://www.2passeasy.com/dumps/AI-102/>



NEW QUESTION 1

DRAG DROP - (Topic 3)

You are using a Language Understanding service to handle natural language input from the users of a web-based customer agent.

The users report that the agent frequently responds with the following generic response: "Sorry, I don't understand that."

You need to improve the ability of the agent to respond to requests.

Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

(Choose three.)

Actions

Answer Area

- Add prebuilt domain models as required.
- Validate the utterances logged for review and modify the model.
- Migrate authoring to an Azure resource authoring key.
- Enable active learning.
- Enable log collection by using Log Analytics.
- Train and republish the Language Understanding model.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

- enable active learning
- validate the utterances
- train and republish

<https://docs.microsoft.com/en-us/azure/cognitive-services/luis/luis-how-to-review-endpoint-utterances#log-user-queries-to-enable-active-learning>
<https://docs.microsoft.com/en-us/azure/cognitive-services/luis/luis-concept-prebuilt-model>

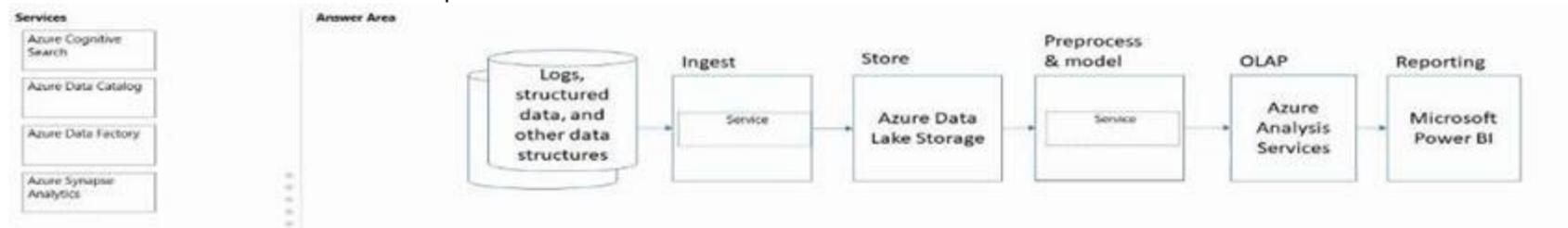
NEW QUESTION 2

DRAG DROP - (Topic 3)

Match the Azure services to the appropriate locations in the architecture.

To answer, drag the appropriate service from the column on the left to its location on the right. Each service may be used once, more than once, or not at all.

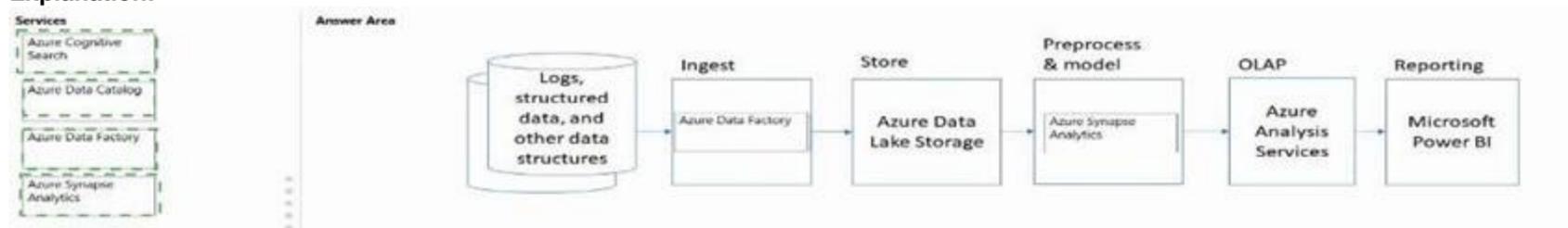
NOTE: Each correct match is worth one point.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 3

- (Topic 3)

You need to enable speech capabilities for a chatbot.

Which three actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Enable WebSockets for the chatbot app.
- B. Create a Speech service.
- C. Register a Direct Line Speech channel.
- D. Register a Cortana channel.
- E. Enable CORS for the chatbot app.
- F. Create a Language Understanding service.

Answer: ABC

Explanation:

You can use the Speech service to voice-enable a chat bot.
 The Direct Line Speech channel uses the text-to-speech service, which has neural and standard voices.
 You'll need to make a small configuration change so that your bot can communicate with the Direct Line Speech channel using web sockets.
 Reference:
<https://docs.microsoft.com/en-us/azure/cognitive-services/speech-service/tutorial-voice-enable-your-bot-speech-sdk>

NEW QUESTION 4

HOTSPOT - (Topic 3)

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

The screenshot shows a hotspot question interface with the following content:

Statements	Yes	No
Platform as a service (PaaS) database offerings in Azure require less setup and configuration effort than infrastructure as a service (IaaS) database offerings.	<input type="radio"/>	<input type="radio"/>
Platform as a service (PaaS) database offerings in Azure provide end users with the ability to control and update the operating system version.	<input type="radio"/>	<input type="radio"/>
All relational and non-relational platform as a service (PaaS) database offerings in Azure can be paused to reduce costs.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

The screenshot shows the same hotspot question interface as above, but with the correct answers highlighted in green:

Statements	Yes	No
Platform as a service (PaaS) database offerings in Azure require less setup and configuration effort than infrastructure as a service (IaaS) database offerings.	<input checked="" type="radio"/>	<input type="radio"/>
Platform as a service (PaaS) database offerings in Azure provide end users with the ability to control and update the operating system version.	<input type="radio"/>	<input checked="" type="radio"/>
All relational and non-relational platform as a service (PaaS) database offerings in Azure can be paused to reduce costs.	<input type="radio"/>	<input checked="" type="radio"/>

NEW QUESTION 5

- (Topic 3)

You have an Azure IoT hub that receives series data from machinery. You need to build an app that will perform the following actions:

- Perform anomaly detection across multiple correlated sensors
- Identify the root cause of process stops.
- Send incident alerts

The solution must minimize development time. Which Azure service should you use?

- A. Azure Metrics Advisor
- B. Form Recognizer
- C. Azure Machine teaming
- D. Anomaly Detector

Answer: D

NEW QUESTION 6

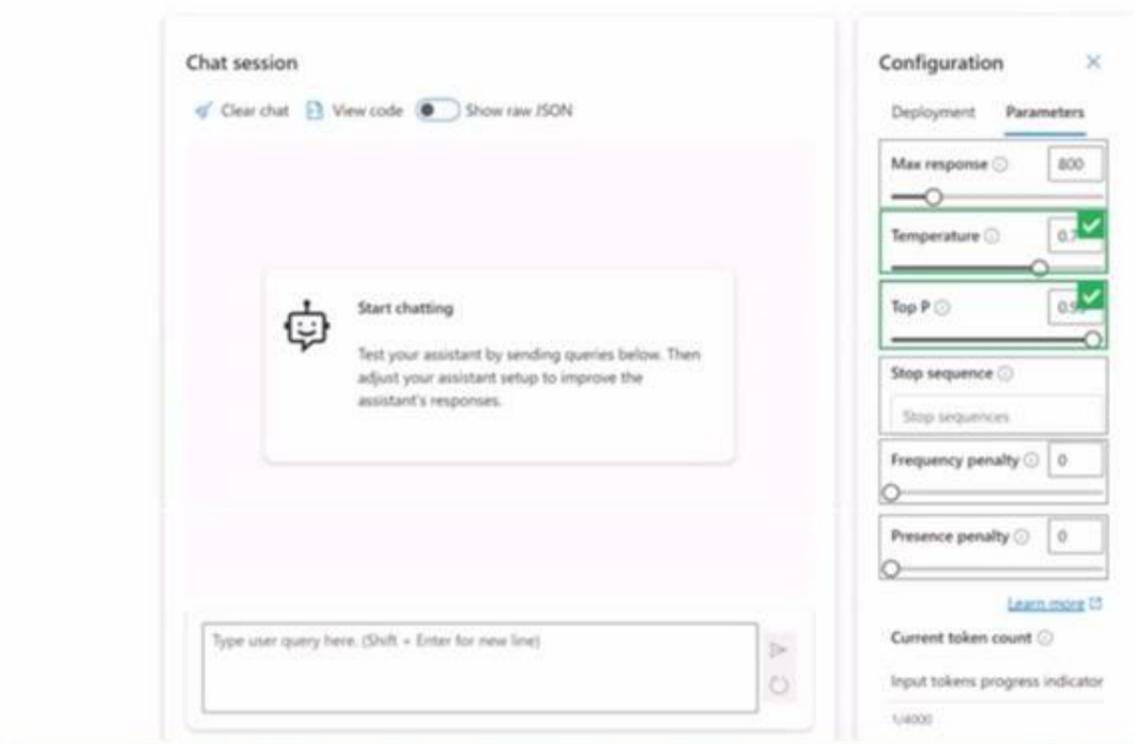
HOTSPOT - (Topic 3)

You build a chatbot by using Azure OpenAI Studio.

You need to ensure that the responses are more deterministic and less creative. Which two parameters should you configure? To answer, select the appropriate parameters in the answer area.

NOTE: Each correct answer is worth one point.

Answer Area

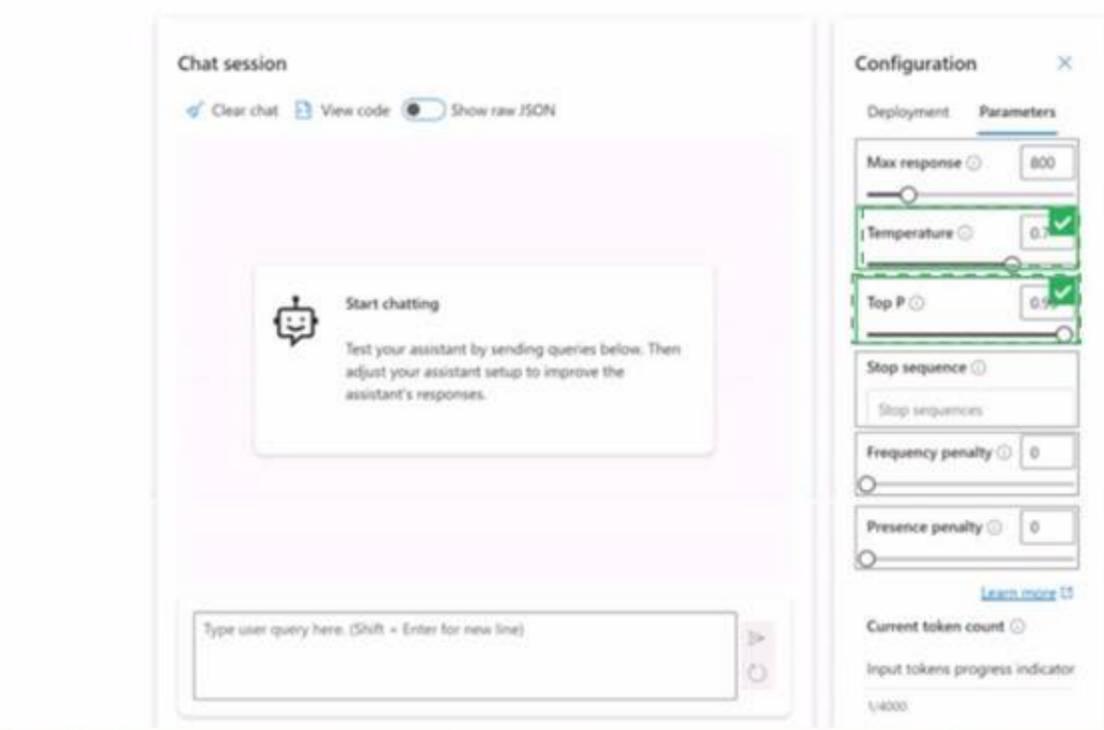


- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area



NEW QUESTION 7

HOTSPOT - (Topic 3)

You are creating an enrichment pipeline that will use Azure Cognitive Search. The knowledge store contains unstructured JSON data and scanned PDF documents that contain text.

Which projection type should you use for each data type? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

JSON data: ▼

- File projection
- Object projection
- Table projection

Scanned data: ▼

- File projection
- Object projection
- Table projection

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Object projection

Object projections are JSON representations of the enrichment tree that can be sourced from any node.

Box 2: File projection

File projections are similar to object projections and only act on the normalized_images collection.

NEW QUESTION 8

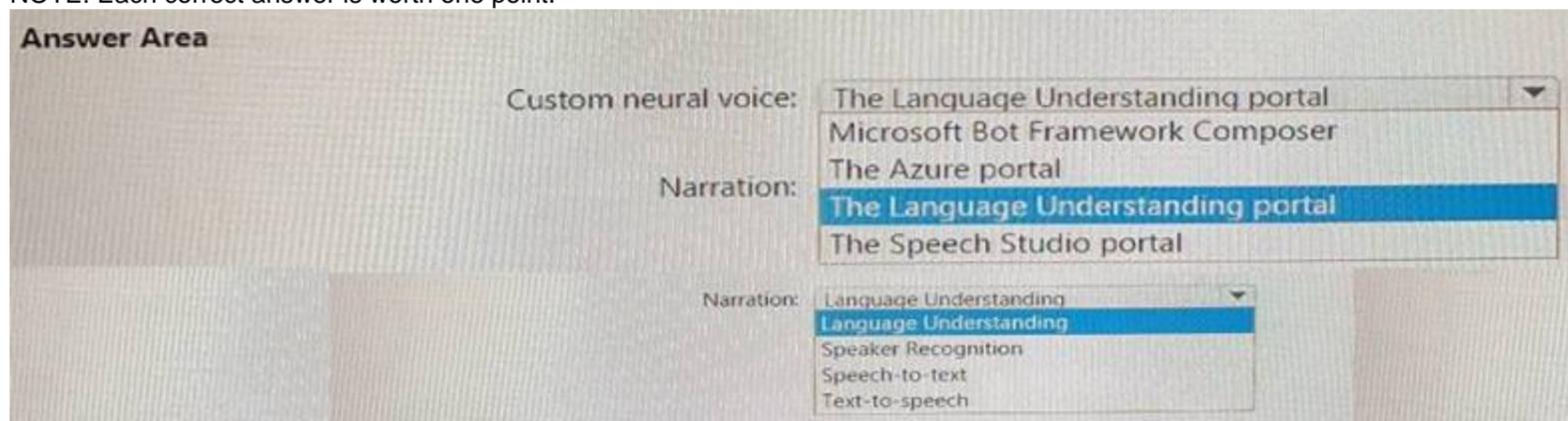
HOTSPOT - (Topic 3)

You are building content for a video training solution.

You need to create narration to accompany the video content. The solution must use Custom Neural Voice.

What should you use to create a custom neural voice, and which service should you use to generate the narration? To answer, select the appropriate options in the answer area.

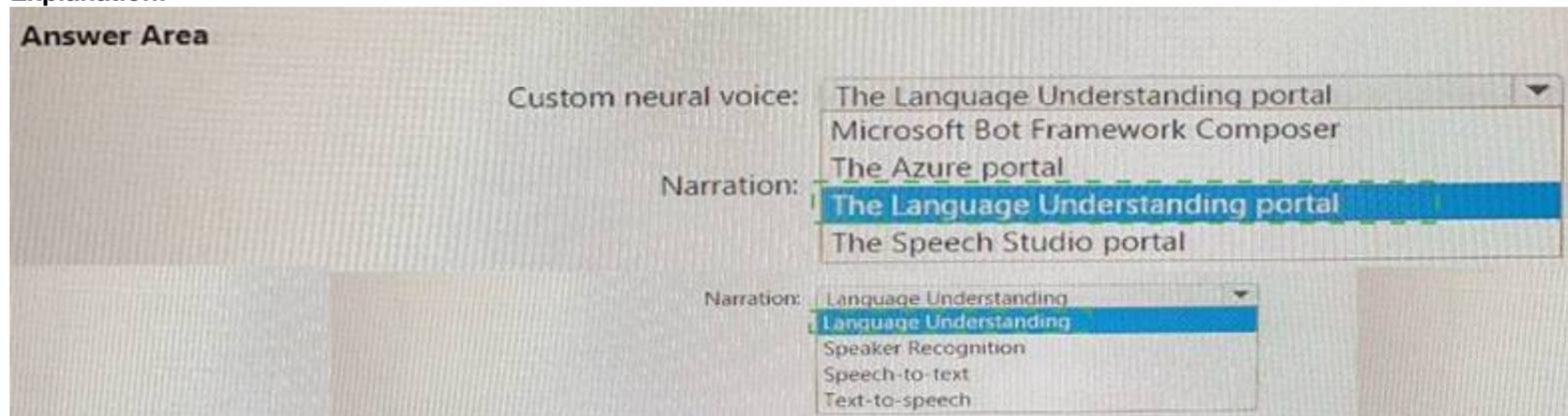
NOTE: Each correct answer is worth one point.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 9

HOTSPOT - (Topic 3)

Select the answer that correctly completes the sentence.

Answer Area

Relational data is stored in

a file system as unstructured data.
a hierarchal folder structure.
a tabular form of rows and columns.
comma-separated value (CSV) files.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Relational data is stored in

a file system as unstructured data.
a hierarchal folder structure.
a tabular form of rows and columns.
comma-separated value (CSV) files.

NEW QUESTION 10

- (Topic 3)

You have an Azure subscription. The subscription contains an Azure OpenAI resource that hosts a GPT-4 model named Model1 and an app named App1. App1 uses Model1.

You need to ensure that App1 will NOT return answers that include hate speech. What should you configure for Model1?

- A. the Frequency penalty parameter
- B. abuse monitoring
- C. a content filter
- D. the Temperature parameter

Answer: B

NEW QUESTION 10

- (Topic 3)

You are building a chatbot.

You need to configure the bot to guide users through a product setup process. Which type of dialog should you use?

- A. component
- B. waterfall
- C. adaptive
- D. action

Answer: B

NEW QUESTION 12

- (Topic 3)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You create a web app named app1 that runs on an Azure virtual machine named vm1. Vm1 is on an Azure virtual network named vnet1.

You plan to create a new Azure Cognitive Search service named service1.

You need to ensure that app1 can connect directly to service1 without routing traffic over the public internet.

Solution: You deploy service1 and a public endpoint, and you configure an IP firewall rule. Does this meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

Reference:

<https://docs.microsoft.com/en-us/azure/private-link/private-link-overview>

NEW QUESTION 15

- (Topic 3)

You are building a retail kiosk system that will use a custom neural voice. You acquire audio samples and consent from the voice talent. You need to create a voice talent profile.

What should you upload to the profile?

- A. a five-minute wav or mp3 file of the voice talent describing the kiosk system
- B. a five-minute .flac audio file and the associated transcript as a w file
- C. a .wav or mp3 file of the voice talent consenting to the creation of a synthetic version of their voice
- D. a .zip file that contains 10-second .wav files and the associated transcripts as .txt files

Answer: D

NEW QUESTION 17

- (Topic 3)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You develop an application to identify species of flowers by training a Custom Vision model. You receive images of new flower species.

You need to add the new images to the classifier.

Solution: You create a new model, and then upload the new images and labels. Does this meet the goal?

A. Yes

B. No

Answer: B

Explanation:

The model needs to be extended and retrained.

NEW QUESTION 20

- (Topic 3)

You need to recommend a non-relational data store that is optimized for storing and retrieving text files, videos, audio streams, and virtual disk images. The data store must store data, some metadata, and a unique ID for each file. Which type of data store should you recommend?

A. columnar

B. key/value

C. document

D. object

Answer: D

NEW QUESTION 23

- (Topic 3)

You need to upload speech samples to a Speech Studio project. How should you upload the samples?

A. Combine the speech samples into a single audio file in the .wma format and upload the file.

B. Upload a .zip file that contains a collection of audio files in the .wav format and a corresponding text transcript file.

C. Upload individual audio files in the FLAC format and manually upload a corresponding transcript in Microsoft Word format.

D. Upload individual audio files in the .wma format.

Answer: B

Explanation:

To upload your data, navigate to the Speech Studio . From the portal, click Upload data to launch the wizard and create your first dataset. You'll be asked to select a speech data type for your dataset, before allowing you to upload your data.

The default audio streaming format is WAV

Use this table to ensure that your audio files are formatted correctly for use with Custom Speech:

Property	Value
File format	RIFF (WAV)
Sample rate	8,000 Hz or 16,000 Hz
Channels	1 (mono)
Maximum length per audio	2 hours
Sample format	PCM, 16-bit
Archive format	.zip
Maximum archive size	2 GB

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/speech-service/how-to-custom-speech-test-and-train>

NEW QUESTION 24

- (Topic 3)

You use the Microsoft Bot Framework Composer to build a chatbot that enables users to purchase items.

You need to ensure that the users can cancel in-progress transactions. The solution must minimize development effort.

What should you add to the bot?

- A. a language generator
- B. a custom event
- C. a dialog trigger
- D. a conversation activity

Answer: D

NEW QUESTION 27

- (Topic 3)

You have a Video Indexer service that is used to provide a search interface over company videos on your company's website. You need to be able to search for videos based on who is present in the video. What should you do?

- A. Create a person model and associate the model to the videos.
- B. Create person objects and provide face images for each object.
- C. Invite the entire staff of the company to Video Indexer.
- D. Edit the faces in the videos.
- E. Upload names to a language model.

Answer: A

Explanation:

Video Indexer supports multiple Person models per account. Once a model is created, you can use it by providing the model ID of a specific Person model when uploading/indexing or reindexing a video. Training a new face for a video updates the specific custom model that the video was associated with.

Note: Video Indexer supports face detection and celebrity recognition for video content. The celebrity recognition feature covers about one million faces based on commonly requested data source such as IMDB, Wikipedia, and top LinkedIn influencers. Faces that aren't recognized by the celebrity recognition feature are detected but left unnamed. Once you label a face with a name, the face and name get added to your account's Person model. Video Indexer will then recognize this face in your future videos and past videos.

Reference:

<https://docs.microsoft.com/en-us/azure/media-services/video-indexer/customize-person-model-with-api>

NEW QUESTION 28

- (Topic 3)

You have an Azure subscription. The subscription contains an Azure OpenAI resource that hosts a GPT-3.5 Turbo model named Model1.

You configure Model1 to use the following system message: "You are an AI assistant that helps people solve mathematical puzzles. Explain your answers as if the request is by a 4- year-old."

Which type of prompt engineering technique is this an example of?

- A. few-shot learning
- B. affordance
- C. chain of thought
- D. priming

Answer: D

NEW QUESTION 33

- (Topic 3)

You develop a custom question answering project in Azure Cognitive Service for Language. The project will be used by a chatbot. You need to configure the project to engage in multi-turn conversations. What should you do?

- A. Add follow-up prompts.
- B. Enable active learning.
- C. Add alternate questions.
- D. Enable chit-chat.

Answer: A

NEW QUESTION 36

DRAG DROP - (Topic 3)

You plan to use containerized versions of the Anomaly Detector API on local devices for testing and in on-premises datacenters.

You need to ensure that the containerized deployments meet the following requirements:

? Prevent billing and API information from being stored in the command-line histories of the devices that run the container.

? Control access to the container images by using Azure role-based access control (Azure RBAC).

Which four actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order. (Choose four.)

NOTE: More than one order of answer choices is correct. You will receive credit for any of the correct orders you select.

Actions

Answer Area

- Create a custom Dockerfile.
- Pull the Anomaly Detector container image.
- Distribute a docker run script.
- Push the image to an Azure container registry.
- Build the image.
- Push the image to Docker Hub.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Step 1: Pull the Anomaly Detector container image. Step 2: Create a custom Dockerfile
Step 3: Build the image
Step 4: Push the image to an Azure container registry.
<https://docs.microsoft.com/en-us/azure/cognitive-services/containers/container-reuse-recipe>

NEW QUESTION 39

- (Topic 3)

You are building a Language Understanding solution.
You discover that many intents have similar utterances containing airport names or airport codes.
You need to minimize the number of utterances used to train the model. Which type of custom entity should you use?

- A. Pattern.any
- B. machine-learning
- C. list
- D. regular expression

Answer: C

NEW QUESTION 42

- (Topic 3)

You are designing a conversational interface for an app that will be used to make vacation requests. The interface must gather the following data:

- The start date of a vacation
- The end date of a vacation
- The amount of required paid time off

The solution must minimize dialog complexity. Which type of dialog should you use?

- A. Skill
- B. waterfall
- C. adaptive
- D. component

Answer: D

NEW QUESTION 46

- (Topic 3)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You build a language model by using a Language Understanding service. The language model is used to search for information on a contact list by using an intent named FindContact.

A conversational expert provides you with the following list of phrases to use for training.

Find contacts in London. Who do I know in Seattle? Search for contacts in Ukraine.

You need to implement the phrase list in Language Understanding. Solution: You create a new pattern in the FindContact intent.

Does this meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

Instead use a new intent for location.

Note: An intent represents a task or action the user wants to perform. It is a purpose or goal expressed in a user's utterance.

Define a set of intents that corresponds to actions users want to take in your application. Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/luis/luis-concept-intent>

NEW QUESTION 49

HOTSPOT - (Topic 3)

For each of the following statements, select Yes if the statement is true. Otherwise, select No. NOTE: Each correct selection is worth one point.

Answer Area

Statements	Yes	No
Stream processing has access to the most recent data received or data within a rolling time window.	<input type="radio"/>	<input type="radio"/>
Batch processing must occur immediately and have latency in the order of seconds or milliseconds.	<input type="radio"/>	<input type="radio"/>
Stream processing is used for simple response functions, aggregates, or calculations such as rolling averages.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Statements	Yes	No
Stream processing has access to the most recent data received or data within a rolling time window.	<input checked="" type="radio"/>	<input type="radio"/>
Batch processing must occur immediately and have latency in the order of seconds or milliseconds.	<input checked="" type="radio"/>	<input type="radio"/>
Stream processing is used for simple response functions, aggregates, or calculations such as rolling averages.	<input type="radio"/>	<input checked="" type="radio"/>

NEW QUESTION 51

- (Topic 3)

What should you use to automatically delete blobs from Azure Blob Storage?

- A. the change feed
- B. a lifecycle management policy
- C. soft delete
- D. archive storage

Answer: D

NEW QUESTION 54

DRAG DROP - (Topic 3)

You have an app that manages feedback.

You need to ensure that the app can detect negative comments by using the Sentiment Analysis API in Azure Cognitive Service for Language. The solution must ensure that the managed feedback remains on your company's internal network.

Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

NOTE: More than one order of answer choices is correct You will receive credit for any of the correct orders you select.

Actions	Answer Area
Provision the Language service resource in Azure.	<input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/> <input type="radio"/>
Deploy a Docker container to an Azure container instance.	
Deploy a Docker container to an on-premises server.	
Identify the Language service endpoint URL and query the prediction endpoint.	
Run the container and query the prediction endpoint.	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

? Provision the Language service resource in Azure.

? Deploy a Docker container to an on-premises server.

? Run the container and query the prediction endpoint.

? According to the Microsoft documentation, the Language service is a cloud-based service that provides various natural language processing features, such as sentiment analysis, key phrase extraction, named entity recognition, etc. You can provision the Language service resource in Azure by following the steps in Create a Language resource. You will need to provide a name, a subscription, a resource group, a region, and a pricing tier for your resource. You will also get a key and an endpoint for your resource, which you will use to authenticate your requests to the Language service API.

? According to the Microsoft documentation, you can also use the Language service as a container on your own premises or in another cloud. This option gives you more control over your data and network, and allows you to use the Language service without an internet connection. You can deploy a Docker container to an on-premises server by following the steps in Deploy Language containers. You will need to have Docker installed on your server, pull the container image from the Microsoft Container Registry, and run the container with the appropriate parameters. You will also need to activate your container with your key and endpoint from your Azure resource.

? According to the Microsoft documentation, once you have deployed and activated your container, you can run it and query the prediction endpoint to get sentiment analysis results. The prediction endpoint is a local URL that follows this format: `http://<container IP address>:<port>/text/analytics/v3.1-preview.4/sentiment`. You can send HTTP POST requests to this endpoint with your text input in JSON format, and receive JSON responses with sentiment labels and scores for each document and sentence in your input.

NEW QUESTION 59

- (Topic 3)

You are developing an app that will use the Decision and Language APIs.

You need to provision resources for the app. The solution must ensure that each service is accessed by using a single endpoint and credential.

Which type of resource should you create?

- A. Language
- B. Speech
- C. Azure Cognitive Services
- D. Content Moderator

Answer: C

NEW QUESTION 61

- (Topic 3)

You build a conversational bot named bot1.

You need to configure the bot to use a QnA Maker application.

From the Azure Portal, where can you find the information required by bot1 to connect to the QnA Maker application?

- A. Access control (IAM)
- B. Properties
- C. Keys and Endpoint
- D. Identity

Answer: C

Explanation:

Obtain values to connect your bot to the knowledge base 1. In the QnA Maker site, select your knowledge base. 2. With your knowledge base open, select the SETTINGS tab. Record the value shown for service name. This value is useful for finding your knowledge base of interest when using the QnA Maker portal interface. It's not used to connect your bot app to this knowledge base. 3. Scroll down to find Deployment details and record the following values from the Postman sample HTTP request: 4. POST /knowledgebases/<knowledge-base-id>/generateAnswer 5. Host: <your-host-url> 6. Authorization: EndpointKey <your-endpoint-key>

Reference:

<https://docs.microsoft.com/en-us/azure/bot-service/bot-builder-howto-qna>

NEW QUESTION 63

- (Topic 3)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You build a language model by using a Language Understanding service. The language model is used to search for information on a contact list by using an intent named FindContact.

A conversational expert provides you with the following list of phrases to use for training.

Find contacts in London. Who do I know in Seattle? Search for contacts in Ukraine.

You need to implement the phrase list in Language Understanding. Solution: You create a new intent for location.

Does this meet the goal?

- A. Yes
- B. No

Answer: A

Explanation:

<https://docs.microsoft.com/en-us/azure/cognitive-services/luis/luis-concept-intent>

NEW QUESTION 64

HOTSPOT - (Topic 3)

You are developing an application that includes language translation.

The application will translate text retrieved by using a function named getTextToBeTranslated. The text can be in one of many languages. The content of the text must remain within the Americas Azure geography.

You need to develop code to translate the text to a single language.

How should you complete the code? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

```

. . .
var endpoint =
    &quot;https://api.cognitive.microsofttranslator.com/translate&quot;;
    &quot;https://api.cognitive.microsofttranslator.com/transliterate&quot;;
    &quot;https://api-apc.cognitive.microsofttranslator.com/detect&quot;;
    &quot;https://api-nam.cognitive.microsofttranslator.com/detect&quot;;
    &quot;https://api-nam.cognitive.microsofttranslator.com/translate&quot;;

var apiKey = "FF956C68883821B38691ABD200A4C606";
var text = getTextToBeTranslated();
var body = '[{"Text":"' + text + '"}]';
var client = new HttpClient();
client.DefaultRequestHeaders.Add("Ocp-Apim-Subscription-Key", apiKey);

var uri = endpoint + &quot;?from=en&quot;;
var uri = endpoint + &quot;?suggestedFrom=en&quot;;
var uri = endpoint + &quot;?to=en&quot;;

HttpResponseMessage response;
var content = new StringContent(body, Encoding.UTF8, "application/json");
var response = await client.PutAsync(uri, content);
. . .

```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

```

. . .
var endpoint =
    &quot;https://api.cognitive.microsofttranslator.com/translate&quot;;
    &quot;https://api.cognitive.microsofttranslator.com/transliterate&quot;;
    &quot;https://api-apc.cognitive.microsofttranslator.com/detect&quot;;
    &quot;https://api-nam.cognitive.microsofttranslator.com/detect&quot;;
    &quot;https://api-nam.cognitive.microsofttranslator.com/translate&quot;;

var apiKey = "FF956C68883821B38691ABD200A4C606";
var text = getTextToBeTranslated();
var body = '[{"Text":"' + text + '"}]';
var client = new HttpClient();
client.DefaultRequestHeaders.Add("Ocp-Apim-Subscription-Key", apiKey);

var uri = endpoint + &quot;?from=en&quot;;
var uri = endpoint + &quot;?suggestedFrom=en&quot;;
var uri = endpoint + &quot;?to=en&quot;;

HttpResponseMessage response;
var content = new StringContent(body, Encoding.UTF8, "application/json");
var response = await client.PutAsync(uri, content);
. . .

```

NEW QUESTION 67

HOTSPOT - (Topic 3)

You are developing a text processing solution. You have the function shown below.

```
static void GetKeywords(TextAnalyticsClient textAnalyticsClient, string text)
{
    var response = textAnalyticsClient.RecognizeEntities (text);
    Console.WriteLine("Key words:");

    foreach (CategorizedEntity entity in response.Value)
    {
        Console.WriteLine($"{entity.Text}");
    }
}
```

For the second argument, you call the function and specify the following string. Our tour of Paris included a visit to the Eiffel Tower.
 For each of the following statements, select Yes if the statement is true. Otherwise, select No.
 NOTE: Each correct selection is worth one point.

Answer Area

Statements	Yes	No
The output will include the following words: our and included.	<input type="radio"/>	<input type="radio"/>
The output will include the following words: Paris, Eiffel, and Tower.	<input type="radio"/>	<input type="radio"/>
The function will output all the key phrases from the input string to the console.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Statements	Yes	No
The output will include the following words: our and included.	<input checked="" type="radio"/>	<input type="radio"/>
The output will include the following words: Paris, Eiffel, and Tower.	<input type="radio"/>	<input checked="" type="radio"/>
The function will output all the key phrases from the input string to the console.	<input type="radio"/>	<input checked="" type="radio"/>

NEW QUESTION 69

- (Topic 3)

Which database transaction property ensures that individual transactions are executed only once and either succeed in their entirety or roll back?

- A. consistency
- B. isolation
- C. atomicity
- D. durability

Answer: A

NEW QUESTION 71

DRAG DROP - (Topic 3)

You have a collection of Microsoft Word documents and PowerPoint presentations in German.

You need to create a solution to translate the file to French. The solution must meet the following requirements:

- * Preserve the original formatting of the files.
- * Support the use of a custom glossary.

You create a blob container for German files and a blob container for French files. You upload the original files to the container for German files.

Which three actions should you perform in sequence actions from the list of actions to the answer area and arrange them in the correct order.

Actions

- Perform an asynchronous translation by using the list of files to be translated.
- Upload a glossary file to the container for German files.
- Upload a glossary file to the container for French files.
- Generate a list of files to be translated.
- Define a document translation specification that has a French target.
- Perform an asynchronous translation by using the document translation specification.

Answer Area

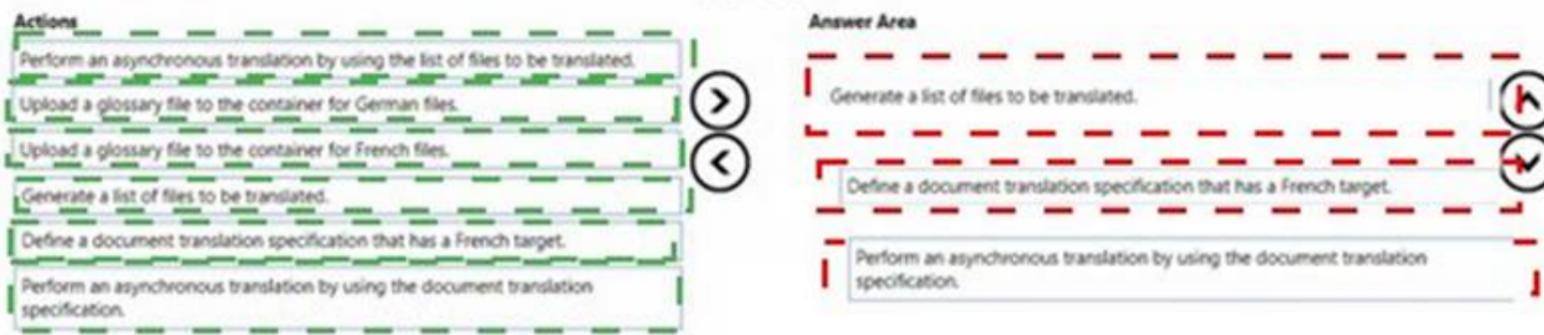
>
<

↑
↓

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 72

- (Topic 3)

You have a factory that produces food products. You need to build a monitoring solution for staff compliance with personal protective equipment (PPE) requirements. The solution must meet the following requirements:

- identify staff who have removed masks or safety glasses.
- Perform a compliance check every 15 minutes.
- Minimize development effort.
- Minimize costs.

Which service should you use?

- A. Face
- B. Computer Vision
- C. Azure Video Analyzer for Media (formerly Video indexer)

Answer: A

NEW QUESTION 77

- (Topic 3)

You are building a chatbot by using Microsoft Bot Framework Composer. You need to configure the chatbot to present a list of available options. The solution must ensure that an image is provided for each option. Which two features should you use? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

- A. an Azure function
- B. an adaptive card
- C. an entity
- D. a dialog
- E. an utterance

Answer: BD

NEW QUESTION 78

- (Topic 3)

You have an Azure subscription that contains a multi-service Azure Cognitive Services Translator resource named Translator1. You are building an app that will translate text and documents by using Translator1. You need to create the REST API request for the app. Which headers should you include in the request?

- A. the subscription key and the client trace ID
- B. the subscription key, the subscription region, and the content type
- C. the resource ID and the content language
- D. the access control request, the content type, and the content length

Answer: B

NEW QUESTION 83

- (Topic 3)

You plan to build an app that will generate a list of tags for uploaded images. The app must meet the following requirements:

- Generate tags in a user's preferred language.
- Support English, French, and Spanish.
- Minimize development effort

You need to build a function that will generate the tags for the app. Which Azure service endpoint should you use?

- A. Custom Vision image classification
- B. Content Moderator Image Moderation
- C. Custom Translator
- D. Computer Vision Image Analysis

Answer: A

NEW QUESTION 88

- (Topic 3)

You are building an AI solution that will use Sentiment Analysis results from surveys to calculate bonuses for customer service staff. You need to ensure that the solution meets the Microsoft responsible AI principles. What should you do?

- A. Add a human review and approval step before making decisions that affect the staffs financial situation
- B. Include the Sentiment Analysis results when surveys return a low confidence score.
- C. Use all the surveys, including surveys by customers who requested that their account be deleted and their data be removed.
- D. Publish the raw survey data to a central location and provide the staff with access to the location.

Answer: A

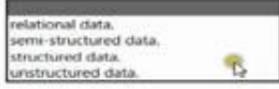
NEW QUESTION 89

HOTSPOT - (Topic 3)

Select the answer that correctly completes the sentence.

Answer Area

Varying fields for each entity in a JSON document is an example of



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Varying fields for each entity in a JSON document is an example of

**NEW QUESTION 92**

- (Topic 3)

You have a Language Understanding resource named lu1. You build and deploy an Azure bot named bot1 that uses lu1. You need to ensure that bot1 adheres to the Microsoft responsible AI principle of inclusiveness. How should you extend bot1?

- A. Implement authentication for bot1.
- B. Enable active learning for lu1.
- C. Host lu1 in a container.
- D. Add Direct Line Speech to bot1.

Answer: D

Explanation:

Inclusiveness: AI systems should empower everyone and engage people.

Direct Line Speech is a robust, end-to-end solution for creating a flexible, extensible voice assistant. It is powered by the Bot Framework and its Direct Line Speech channel, that is optimized for voice-in, voice-out interaction with bots.

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/speech-service/direct-line-speech>

NEW QUESTION 97

- (Topic 3)

You are developing a monitoring system that will analyze engine sensor data, such as rotation speed, angle, temperature, and pressure. The system must generate an alert in response to atypical values. What should you include in the solution?

- A. Application Insights in Azure Monitor
- B. metric alerts in Azure Monitor
- C. Multivariate Anomaly Detection
- D. Univariate Anomaly Detection

Answer: C

NEW QUESTION 101

- (Topic 3)

You are developing a new sales system that will process the video and text from a public-facing website.

You plan to notify users that their data has been processed by the sales system. Which responsible AI principle does this help meet?

- A. transparency
- B. fairness
- C. inclusiveness
- D. reliability and safety

Answer: D

Explanation:

"When an AI application relies on personal data, such as a facial recognition system that takes images of people to recognize them; you should make it clear to the user how their data is used and retained, and who has access to it." from: <https://docs.microsoft.com/en-us/learn/paths/prepare-for-ai-engineering/>

NEW QUESTION 103

HOTSPOT - (Topic 3)

You are developing a text processing solution. You have the function shown below.

Answer Area

Statements	Yes	No
The output will include the following words: our and included.	<input type="radio"/>	<input type="radio"/>
The output will include the following words: Paris, Eiffel, and Tower.	<input type="radio"/>	<input type="radio"/>
The function will output all the key phrases from the input string to the console.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Statements	Yes	No
The output will include the following words: our and included.	<input checked="" type="radio"/>	<input type="radio"/>
The output will include the following words: Paris, Eiffel, and Tower.	<input checked="" type="radio"/>	<input type="radio"/>
The function will output all the key phrases from the input string to the console.	<input checked="" type="radio"/>	<input type="radio"/>

NEW QUESTION 107

- (Topic 3)

You have a 20-GB file named file1, avi that is stored on a local drive. You need to index file1, avi by using the Azure Video indexer website. What should you do first?

- A. Upload File1 avi to an Azure storage queue.
- B. upload File1.avi to the www.youtube.com seepage
- C. Upload file1 avi to the Azure video indexer website.
- D. Upload file1 avi to Microsoft OneDrive.

Answer: D

Explanation:

This is because the Azure Video Indexer website allows you to upload videos from a URL or from your file system, but there are some limitations and considerations for each option1.

If you upload from your file system, the size of the file is limited to 2 GB, which is less than the size of file1.avi (20 GB). Therefore, this option is not feasible.

If you upload from a URL, the size of the file is limited to 30 GB, which is enough for file1.avi. However, the URL must be publicly accessible and valid, and the file must be accessible. You cannot use URLs from streaming services such as YouTube1. Therefore, options A and B are not valid.

The best option is to upload file1.avi to a cloud storage service such as Microsoft OneDrive, and then generate a shareable link for the file. You can then paste the link in the

Azure Video Indexer website and upload the video from the URL. This way, you can avoid the file size limitation and ensure that the file is accessible and valid2.

NEW QUESTION 109

- (Topic 3)

You plan to provision a QnA Maker service in a new resource group named RG1. In RG1, you create an App Service plan named AP1.

Which two Azure resources are automatically created in RG1 when you provision the QnA Maker service? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Language Understanding
- B. Azure SQL Database
- C. Azure Storage
- D. Azure Cognitive Search
- E. Azure App Service

Answer: DE

Explanation:

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/qnamaker/how-to/set-up-qnamaker-service-azure?tabs=v1#delete-azure-resources>

"When you create a QnAMaker resource, you host the data in your own Azure subscription. Azure Search is used to index your data." & "When you create a QnAMaker resource, you host the runtime in your own Azure subscription. App Service is the compute engine that runs the QnA Maker queries for you."

NEW QUESTION 110

- (Topic 3)

You are building a Chatbot by using the Microsoft Bot Framework SDK. The bot will be used to accept food orders from customers and allow the customers to customize each food item. You need to configure the bot to ask the user for additional input based on the type of item ordered. The solution must minimize development effort. Which two types of dialogs should you use? Each correct answer presents part of the solution. NOTE: Each correct selection is worth one point.

- A. adaptive
- B. action
- C. waterfall
- D. prompt
- E. input

Answer: BC

NEW QUESTION 112

- (Topic 3)

You need to build a chatbot that meets the following requirements:

- ? Supports chit-chat, knowledge base, and multilingual models
- ? Performs sentiment analysis on user messages
- ? Selects the best language model automatically

What should you integrate into the chatbot?

- A. QnA Maker, Language Understanding, and Dispatch
- B. Translator, Speech, and Dispatch
- C. Language Understanding, Text Analytics, and QnA Maker
- D. Text Analytics, Translator, and Dispatch

Answer: C

Explanation:

Language Understanding: An AI service that allows users to interact with your applications, bots, and IoT devices by using natural language.

QnA Maker is a cloud-based Natural Language Processing (NLP) service that allows you to create a natural conversational layer over your data. It is used to find the most appropriate answer for any input from your custom knowledge base (KB) of information.

Text Analytics: Mine insights in unstructured text using natural language processing (NLP)—no machine learning expertise required. Gain a deeper understanding of customer opinions with sentiment analysis. The Language Detection feature of the Azure Text Analytics REST API evaluates text input

Reference:

<https://azure.microsoft.com/en-us/services/cognitive-services/text-analytics/> <https://docs.microsoft.com/en-us/azure/cognitive-services/qnamaker/overview/overview>

NEW QUESTION 116

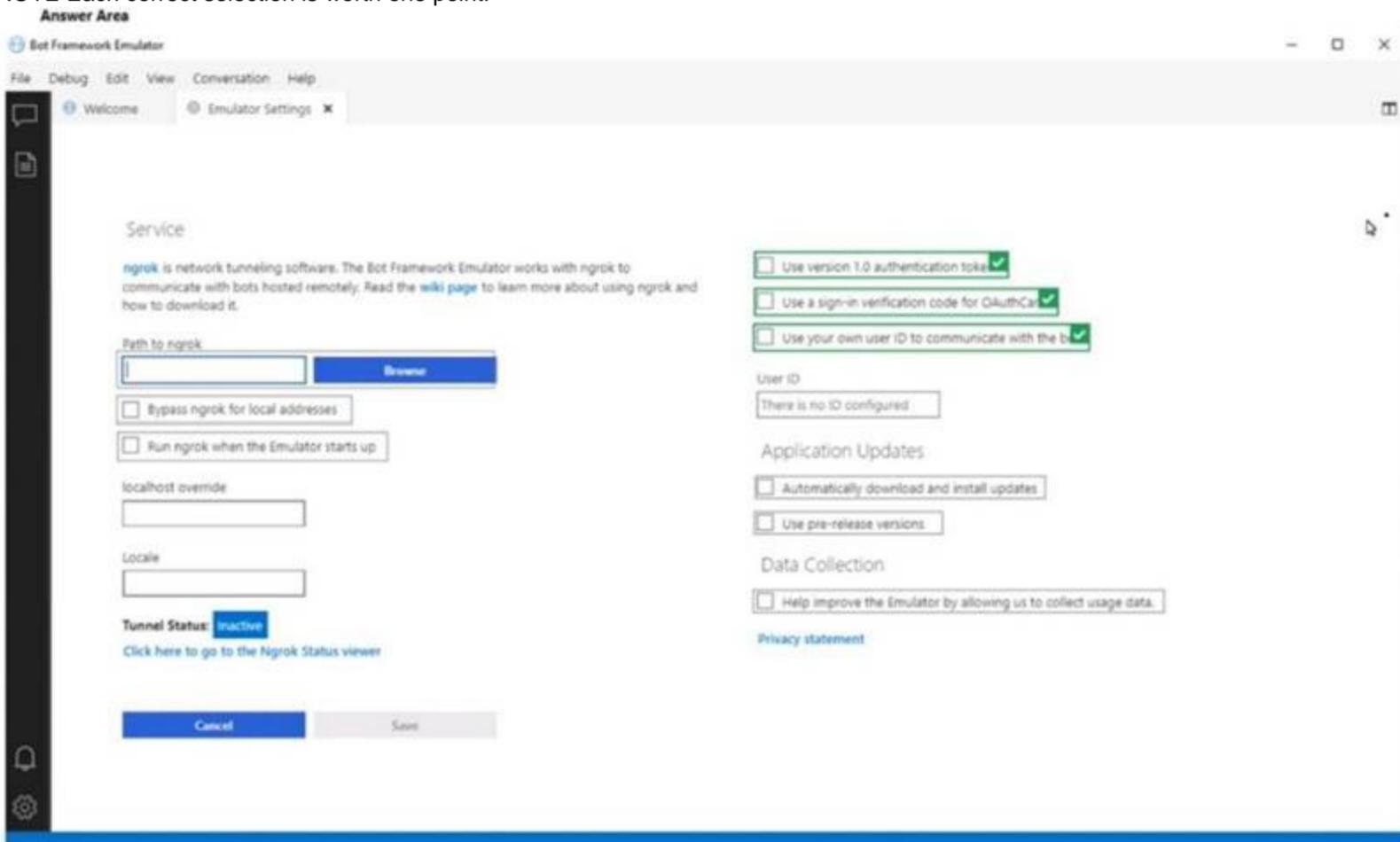
HOTSPOT - (Topic 3)

You have a chatbot.

You need to test the bot by using the Bot Framework Emulator. The solution must ensure that you are prompted for credentials when you sign in to the bot.

Which three settings should you configure? To answer, select the appropriate settings in the answer area.

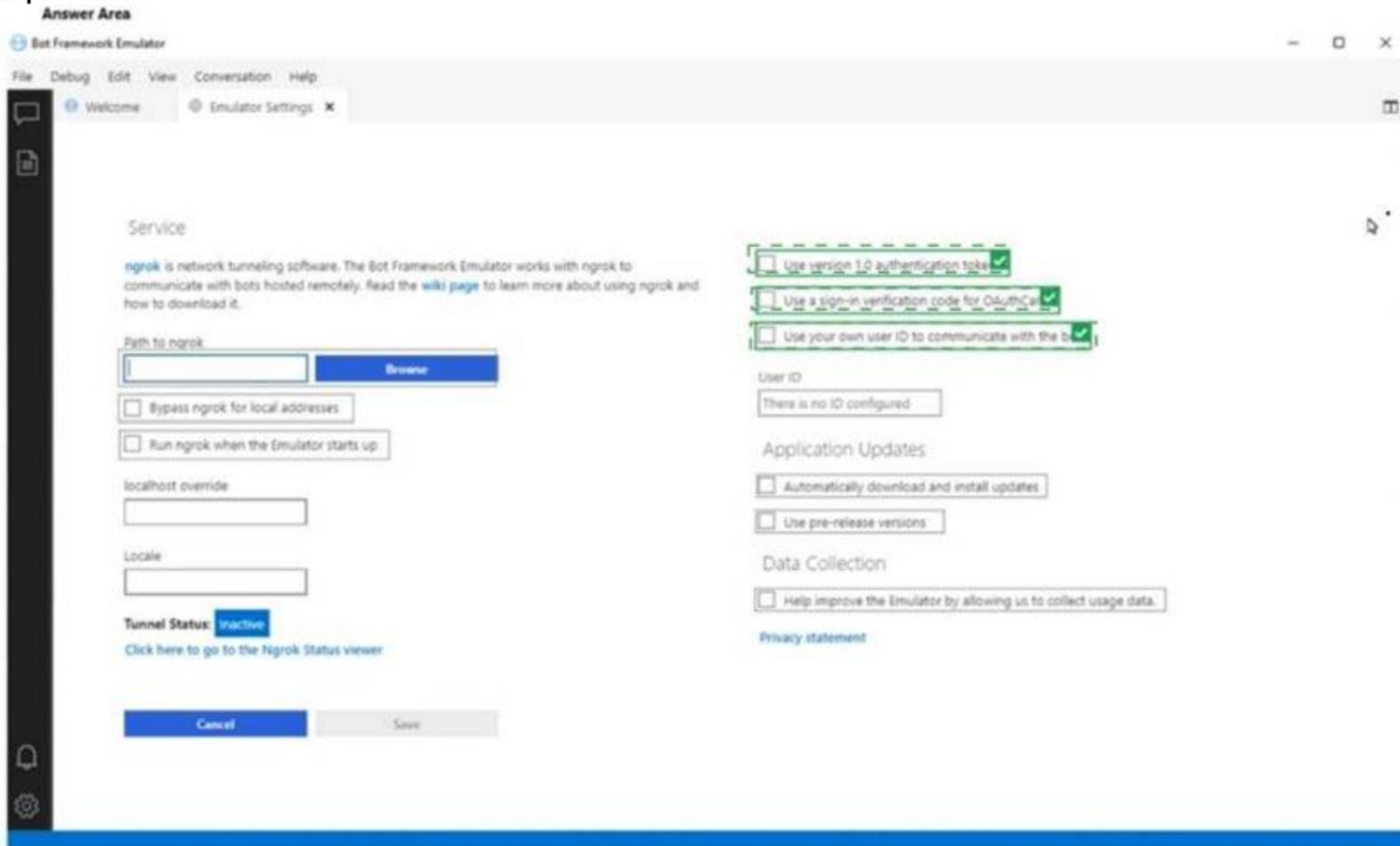
NOTE Each correct selection is worth one point.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 119

- (Topic 3)

You have the following data sources:

? Finance: On-premises Microsoft SQL Server database

? Sales: Azure Cosmos DB using the Core (SQL) API

? Logs: Azure Table storage

? HR: Azure SQL database

You need to ensure that you can search all the data by using the Azure Cognitive Search REST API. What should you do?

- A. Configure multiple read replicas for the data in Sales.
- B. Mirror Finance to an Azure SQL database.
- C. Migrate the data in Sales to the MongoDB API.
- D. Ingest the data in Logs into Azure Sentinel.

Answer: B

Explanation:

On-premises Microsoft SQL Server database cannot be used as an index data source. Note: Indexer in Azure Cognitive Search: : Automate aspects of an indexing operation by configuring a data source and an indexer that you can schedule or run on demand. This feature is supported for a limited number of data source types on Azure. Indexers crawl data stores on Azure.

? Azure Blob Storage

? Azure Data Lake Storage Gen2 (in preview)

? Azure Table Storage

? Azure Cosmos DB

? Azure SQL Database

? SQL Managed Instance

? SQL Server on Azure Virtual Machines

Reference:

<https://docs.microsoft.com/en-us/azure/search/search-indexer-overview#supported-data-sources>

NEW QUESTION 123

- (Topic 3)

What should you use to build a Microsoft Power BI paginated report?

- A. Power BI Report Builder
- B. Charcicator
- C. Power BI Desktop
- D. the Power BI service

Answer: A

NEW QUESTION 127

- (Topic 3)

You use the Custom Vision service to build a classifier.

After training is complete, you need to evaluate the classifier.

Which two metrics are available for review? Each correct answer presents a complete solution. (Choose two.)
 NOTE: Each correct selection is worth one point.

- A. recall
- B. F-score
- C. weighted accuracy
- D. precision
- E. area under the curve (AUC)

Answer: AD

Explanation:

Custom Vision provides three metrics regarding the performance of your model: precision, recall, and AP.

Reference:

<https://www.tallan.com/blog/2020/05/19/azure-custom-vision/>

NEW QUESTION 129

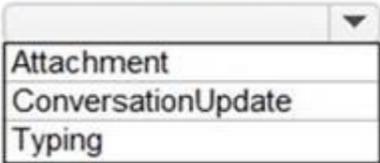
HOTSPOT - (Topic 3)

You are designing a conversation flow to be used in a chatbot.

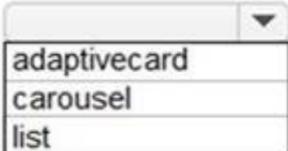
You need to test the conversation flow by using the Microsoft Bot Framework Emulator. How should you complete the .chat file? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

```

user=User1
bot=watchbot
user: I want a new watch.
bot: [  ][Delay=3000]

bot: I can help you with that! Let me see what I can find.
bot: Here's what I found.
bot:
[AttachmentLayout=  ]

[Attachment=https://contoso.blob.core.windows.net/watch01.jpg]
[Attachment=https://contoso.blob.core.windows.net/watch02.jpg]
user: I like the first one.
bot: Sure, pulling up more information.
bot: [Attachment=cards\watchProfileCard.json  ]
user: That's nice! Thank you.
bot: Sure, you are most welcome!
    
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

```

user=User1
bot=watchbot
user: I want a new watch.
bot: [ Attachment
      ConversationUpdate
      Typing ] [Delay=3000]
bot: I can help you with that! Let me see what I can find.
bot: Here's what I found.
bot: [AttachmentLayout= adaptivecard
      carousel
      thumbnail ]
[Attachment=https://contoso.blob.core.windows.net/watch01.jpg]
[Attachment=https://contoso.blob.core.windows.net/watch02.jpg]
user: I like the first one.
bot: Sure, pulling up more information.
bot: [Attachment=cards\watchProfileCard.json ]
user: That's nice! Thank you.
bot: Sure, you are most welcome!

```

NEW QUESTION 133

- (Topic 3)
 You create a bot by using the Microsoft Bot Framework SDK.
 You need to configure the bot to respond to events by using custom text responses. What should you use?

- A. an adaptive card
- B. an activity handler
- C. a dialog
- D. a skill

Answer: B

NEW QUESTION 136

- (Topic 3)
 Which property of a transactional workload guarantees that each transaction is treated as a single unit that either succeeds completely or fails completely?

- A. isolation
- B. atomicity
- C. consistency
- D. durability

Answer: B

NEW QUESTION 141

HOTSPOT - (Topic 3)
 You are building an Azure web app named App1 that will translate text from English to Spanish.
 You need to use the Text Translation REST API to perform the translation. The solution must ensure that you have data sovereignty in the United States.
 How should you complete the URI? To answer, select the appropriate options in the answer area.
 NOTE: Each correct selection is worth one point.

Answer Area



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

- * 1. api-nam.cognitive.microsofttranslator.com
- * 2. translate

<https://learn.microsoft.com/en-us/azure/cognitive-services/Translator/reference/v3-0-reference#base-urls>

Requests to Translator are, in most cases, handled by the datacenter that is closest to where the request originated. If there's a datacenter failure when using the global endpoint, the request may be routed outside of the geography.

To force the request to be handled within a specific geography, use the desired geographical endpoint. All requests are processed among the datacenters within

the geography.

- United States

api-nam.cognitive.microsofttranslator.com

<https://learn.microsoft.com/en-us/azure/cognitive-services/translator/reference/rest-api-guide-translate>

Translate specified source language text into the target language text.

NEW QUESTION 146

HOTSPOT - (Topic 3)

You have an app named App1 that uses Azure AI Document Intelligence to analyze

medical You have an app named App1 that uses Azure AI Document Intelligence for patients. You send a request to App1 and receive the following response.

```
{
  "status": "succeeded",
  "createdDateTime": "2023-09-14T21:01:02Z",
  "lastUpdatedDateTime": "2023-09-14T21:01:03Z",
  "analyzeResult": {
    "apiVersion": "2023-07-31",
    "modelId": "prebuilt-healthInsuranceCard.us",
    "stringIndexType": "utf16CodeUnit",
    "content": "Blood Pressure 118/72",
    "pages": [
      {
        ...
        "words": [
          {
            "content": "Blood",
            "polygon": [ ... ],
            "confidence": 0.766,
            "span": { ... }
          },
          {
            "content": "Pressure",
            "polygon": [ ... ],
            "confidence": 0.716,
            "span": { ... }
          },
          {
            "content": "118/72",
            "polygon": [ ... ],
            "confidence": 0.761,
            "span": { ... }
          }
        ]
      }
    ],
    "documents": [
      {
        "docType": "healthInsuranceCard.us",
        "boundingRegions": [ ... ]
      }
    ],
    "fields": {},
    "confidence": 1,
    "spans": [ - ]
  }
}
```

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth point.

Answer Area

Statements	Yes	No
The chosen model is suitable for the intended use case.	<input type="radio"/>	<input type="radio"/>
The text content was recognized with greater than 70 percent confidence.	<input type="radio"/>	<input type="radio"/>
The form elements were recognized with greater than 70 percent confidence.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Statements	Yes	No
The chosen model is suitable for the intended use case.	<input type="radio"/>	<input checked="" type="radio"/>
The text content was recognized with greater than 70 percent confidence.	<input checked="" type="radio"/>	<input type="radio"/>
The form elements were recognized with greater than 70 percent confidence.	<input type="radio"/>	<input checked="" type="radio"/>

NEW QUESTION 147

- (Topic 3)

You have receipts that are accessible from a URL.

You need to extract data from the receipts by using Form Recognizer and the SDK. The solution must use a prebuilt model.

Which client and method should you use?

- A. the FormRecognizerClient client and the StartRecognizeReceiptsFromUri method
- B. the FormTrainingClient client and the StartRecognizeContentFromUri method
- C. the FormRecognizerClient client and the StartRecognizeReceiptsFromUri method
- D. the FormTrainingClient client and the StartRecognizeReceiptsFromUri method

Answer: D

Explanation:

To analyze receipts from a URL, use the StartRecognizeReceiptsFromUri method Example code:

```
private static async Task AnalyzeReceipt( FormRecognizerClient recognizerClient, string receiptUri)
```

```
{
    RecognizedFormCollection receipts = await recognizerClient.StartRecognizeReceiptsFromUri(new Uri(receiptUri)).WaitForCompletionAsync();
}
```

Reference:

<https://docs.microsoft.com/en-us/azure/applied-ai-services/form-recognizer/quickstarts/client-library>

NEW QUESTION 152

- (Topic 3)

You plan create an index for an Azure Cognitive Search service by using the Azure portal. The Cognitive Search service will connect to an Azure SQL database

The Azure SQL database contains a table named UserMessages. Each row in User

Messages has a field named MessageCopy that contains the text of social media messages sent by a user

Users will perform full text searches against the MessageCopy field, and the values of the field will be shown to the users-

You need to configure the properties of the index for the MessageCopy field to support the solution.

Which attributes should you enable for the field?

- A. Searchable and Retrievable
- B. Sortable and Retrievable
- C. Searchable and Facetable
- D. Filterable and Retrievable

Answer: A

NEW QUESTION 155

- (Topic 3)

A customer uses Azure Cognitive Search.

The customer plans to enable a server-side encryption and use customer-managed keys (CMK) stored in Azure.

What are three implications of the planned change? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. The index size will increase.
- B. Query times will increase.
- C. A self-signed X.509 certificate is required.
- D. The index size will decrease.
- E. Query times will decrease.
- F. Azure Key Vault is required.

Answer: ABF

Explanation:

"Customer-managed keys require an additional billable service, Azure Key Vault, which can be in a different region, but under the same subscription, as Azure Cognitive Search. Enabling CMK encryption will increase index size and degrade query performance."

same document also lists Azure Key Vault as a requirement: <https://docs.microsoft.com/en-us/azure/search/search-security-overview#data-protection>

NEW QUESTION 156

- (Topic 3)

You create five bots by using Microsoft Bot Framework Composer.

You need to make a single bot available to users that combines the bots. The solution must support dynamic routing to the bots based on user input.

Which three actions should you perform? Each correct answer presents part of the solution.
 NOTE: Each correct selection is worth one point.

- A. Create an Orchestrator model.
- B. Change the Recognizer/Dispatch type.
- C. Create a composer extension.
- D. Enable WebSockets.
- E. Create a custom recognizer JSON file.
- F. Install the Orchestrator package.

Answer: ABF

NEW QUESTION 161

HOTSPOT - (Topic 3)

You develop a test method to verify the results retrieved from a call to the Computer Vision API. The call is used to analyze the existence of company logos in images. The call returns a collection of brands named brands.

You have the following code segment.

```
foreach (var brand in brands)
{
    if (brand.Confidence >= .75)
        Console.WriteLine($"Logo of {brand.Name} between {brand.Rectangle.X},
{brand.Rectangle.Y} and {brand.Rectangle.W}, {brand.Rectangle.H}");
}
```

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Statements	Yes	No
The code will return the name of each detected brand with a confidence equal to or higher than 75 percent.	<input type="checkbox"/>	<input type="checkbox"/>
The code will return coordinates for the bottom-left corner of the rectangle that contains the brand logo of the displayed brands.	<input type="checkbox"/>	<input type="checkbox"/>
The code will return coordinates for the bottom-right corner of the rectangle that contains the brand logo of the displayed brands.	<input type="checkbox"/>	<input type="checkbox"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Statements	Yes	No
The code will return the name of each detected brand with a confidence equal to or higher than 75 percent.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
The code will return coordinates for the bottom-left corner of the rectangle that contains the brand logo of the displayed brands.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
The code will return coordinates for the bottom-right corner of the rectangle that contains the brand logo of the displayed brands.	<input type="checkbox"/>	<input checked="" type="checkbox"/>

NEW QUESTION 163

- (Topic 3)

You are building a flight booking bot by using the Microsoft Bot Framework SDK.

The bot will ask users for their departure date. The bot must repeat the question until a valid date is given, or the users cancel the transaction.

Which type of dialog should you use?

- A. prompt
- B. action
- C. waterfall
- D. adaptive

Answer: A

NEW QUESTION 164

DRAG DROP - (Topic 3)

You plan to build a chatbot to support task tracking.

You create a Conversational Language Understanding service named lu1.

You need to build a Conversational Language Understanding model to Integrate into the chatbot. The solution must minimize development time to build the model. Which four actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

The screenshot shows an 'Actions' list on the left and an 'Answer Area' on the right. The actions are: 'Add the prebuilt domain ToDo.', 'Add a new application.', 'Add example utterances.', 'Train the application.', and 'Publish the application.'. The answer area is currently empty.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

The screenshot shows the same interface as above, but with four actions moved to the 'Answer Area' in the correct sequence: 'Add a new application.', 'Add example utterances.', 'Train the application.', and 'Publish the application.'. The first action, 'Add the prebuilt domain ToDo.', remains in the 'Actions' list.

NEW QUESTION 167

HOTSPOT - (Topic 3)

Select the answer that correctly completes the sentence.

The screenshot shows a hotspot question. The text reads: 'A block of code that runs in a database is called'. Below this text is a list of options: 'a stored procedure.', 'a table.', 'a view.', and 'an index.'. A mouse cursor is pointing at the first option, 'a stored procedure.'.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

The screenshot shows the same hotspot question as above. The option 'a stored procedure.' is highlighted with a green box, indicating it is the correct answer.

NEW QUESTION 170

HOTSPOT - (Topic 3)

You are building an app by using the Speech SDK. The app will translate speech from French to German by using natural language processing. You need to define the source language and the output language.

How should you complete the code? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

```
var speechTranslationConfig =
SpeechTranslationConfig.FromSubscription(speechKey, speechRegion);
speechTranslationConfig.
speech_translation_config.
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

```
var speechTranslationConfig =
SpeechTranslationConfig.FromSubscription(speechKey, speechRegion);
speechTranslationConfig.
speech_translation_config.
```

NEW QUESTION 172

- (Topic 3)

You have an Azure Cognitive Search solution and a collection of blog posts that include a category field. You need to index the posts. The solution must meet the following requirements:

- Include the category field in the search results.
- Ensure that users can search for words in the category field.
- Ensure that users can perform drill down filtering based on category. Which index attributes should you configure for the category field?

- A. searchable, facetable, and retrievable
- B. retrievable, filterable, and sortable
- C. retrievable, facetable, and key
- D. searchable, sortable, and retrievable

Answer: B

NEW QUESTION 174

DRAG DROP - (Topic 3)

You are building an app that will scan confidential documents and use the Language service to analyze the contents.

You provision an Azure Cognitive Services resource.

You need to ensure that the app can make requests to the Language service endpoint. The solution must ensure that confidential documents remain on-premises. Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Actions	Answer Area
Pull an image from Docker Hub.	
Provision an on-premises Kubernetes cluster that has internet connectivity.	
Provision an Azure Kubernetes Service (AKS) resource.	
Run the container and specify an App ID and Client Secret.	
Provision an on-premises Kubernetes cluster that is isolated from the internet.	
Pull an image from the Microsoft Container Registry (MCR).	
Run the container and specify an API key and the Endpoint URL of the Cognitive Services resource.	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

NEW QUESTION 178

DRAG DROP - (Topic 3)

You are developing a call to the Face API. The call must find similar faces from an existing list named employeefaces. The employeefaces list contains 60,000 images.

How should you complete the body of the HTTP request? To answer, drag the appropriate values to the correct targets. Each value may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: LargeFaceListID

LargeFaceList: Add a face to a specified large face list, up to 1,000,000 faces.

Note: Given query face's faceId, to search the similar-looking faces from a faceId array, a face list or a large face list. A "faceListId" is created by FaceList - Create containing persistedFaceIds that will not expire. And a "largeFaceListId" is created by LargeFaceList - Create containing persistedFaceIds that will also not expire.

NEW QUESTION 181

DRAG DROP - (Topic 3)

You have 100 chatbots that each has its own Language Understanding model. Frequently, you must add the same phrases to each model.

You need to programmatically update the Language Understanding models to include the new phrases.

How should you complete the code? To answer, drag the appropriate values to the correct targets. Each value may be used once, more than once, or not at all.

You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: AddPhraseListAsync Example: Add phraselist feature

```
var phraselistId = await client.Features.AddPhraseListAsync(appId, versionId, new
```

```
PhraselistCreateObject
```

```
{
  EnabledForAllModels = false, IsExchangeable = true, Name = "QuantityPhraselist", Phrases = "few,more,extra"
});
```

Box 2: PhraselistCreateObject

NEW QUESTION 183

- (Topic 3)

You are building a solution that will detect anomalies in sensor data from the previous 24 hours. You need to ensure that the solution scans the entire dataset, at the same time, for anomalies. Which type of detection should you use?

- A. batch
- B. streaming
- C. change point

Answer: A

Explanation:

Batch anomaly detection is a type of anomaly detection that scans the entire dataset at once for outliers and unusual patterns. Batch anomaly detection is suitable for offline analysis of historical data, such as sensor data from the previous 24 hours. Batch anomaly detection can use various techniques, such as statistical methods, machine learning methods, or hybrid methods, to identify anomalies in the data.

NEW QUESTION 185

DRAG DROP - (Topic 3)

You develop an app in O named App1 that performs speech-to-speech translation. You need to configure App1 to translate English to German. How should you complete the speechTransiationConf ig object? To answer, drag the appropriate values to the correct targets. Each value may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content.

NOTE: Each correct selection is worth one point.

Values

- addTargetLanguage
- speechSynthesisLanguage
- speechRecognitionLanguage
- voiceName

Answer Area

```
var translationConfig = SpeechTranslationConfig.FromSubscription(SPEECH_SUBSCRIPTION_KEY, SPEECH_SERVICE_REGION);
translationConfig. [ ] = "en-US";
translationConfig. [ ] ("de");
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Values

- addTargetLanguage
- speechSynthesisLanguage
- speechRecognitionLanguage
- voiceName

Answer Area

```
var translationConfig = SpeechTranslationConfig.FromSubscription(SPEECH_SUBSCRIPTION_KEY, SPEECH_SERVICE_REGION);
translationConfig. [speechRecognitionLanguage] = "en-US";
translationConfig. [addTargetLanguage] ("de");
```

NEW QUESTION 186

- (Topic 3)

You have an app that analyzes images by using the Computer Vision API. You need to configure the app to provide an output for users who are vision impaired. The solution must provide the output in complete sentences. Which API call should you perform?

- A. readInStreamAsync
- B. describeImageInStreamAsync
- C. toglfiagelInStreaaAsync
- D. analyreImageByDomainInStreamAsync

Answer: D

NEW QUESTION 189

DRAG DROP - (Topic 3)

Match the types of workloads to the appropriate scenarios. To answer, drag the appropriate workload type from the column on the left to its scenario on the right. Each workload type may he used once, more than once, or not at all.

NOTE: Each correct match is worth one point.

Workload Types

- Batch
- Streaming

Answer Area

Workload type	Data for a product catalog will be loaded every 12 hours to a data warehouse.
Workload type	Thousands of data sets per second for online purchases will be loaded into a data warehouse in real time.
Workload type	Updates to inventory data will be loaded to a data warehouse every 1 million transactions.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Workload Types	Answer Area
Batch	Data for a product catalog will be loaded every 12 hours to a data warehouse.
Streaming	Thousands of data sets per second for online purchases will be loaded into a data warehouse in real time.
Batch	Updates to inventory data will be loaded to a data warehouse every 1 million transactions.

NEW QUESTION 194

DRAG DROP - (Topic 3)

You are building a Language Understanding model for purchasing tickets.

You have the following utterance for an intent named PurchaseAndSendTickets. Purchase [2 audit business] tickets to [Paris] [next Monday] and send tickets to [email@domain.com]

You need to select the entity types. The solution must use built-in entity types to minimize training data whenever possible.

Which entity type should you use for each label? To answer, drag the appropriate entity types to the correct labels. Each entity type may be used once, more than once, or not at all.

You may need to drag the split bar between panes or scroll to view content.

Entity Types	Answer Area
Email	
List	Paris: <input type="text"/>
Regex	email@domain.com: <input type="text"/>
GeographyV2	2 audit business: <input type="text"/>
Machine learned	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: GeographyV2

The prebuilt geographyV2 entity detects places. Because this entity is already trained, you do not need to add example utterances containing GeographyV2 to the application intents.

Box 2: Email

Email prebuilt entity for a LUIS app: Email extraction includes the entire email address from an utterance. Because this entity is already trained, you do not need to add example utterances containing email to the application intents.

Box 3: Machine learned

The machine-learning entity is the preferred entity for building LUIS applications.

NEW QUESTION 197

- (Topic 3)

You have an Azure subscription that contains an Azure App Service app named App1. You provision a multi-service Azure Cognitive Services resource named CSAccount1.

You need to configure App1 to access CSAccount1. The solution must minimize administrative effort.

What should you use to configure App1?

- A. a system-assigned managed identity and an X.509 certificate
- B. the endpoint URI and an OAuth token
- C. the endpoint URI and a shared access signature (SAS) token
- D. the endpoint URI and subscription key

Answer: D

NEW QUESTION 200

- (Topic 3)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You develop an application to identify species of flowers by training a Custom Vision model. You receive images of new flower species.

You need to add the new images to the classifier.

Solution: You add the new images, and then use the Smart Labeler tool. Does this meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

The model need to be extended and retrained.

Note: Smart Labeler to generate suggested tags for images. This lets you label a large number of images more quickly when training a Custom Vision model.

NEW QUESTION 202

DRAG DROP - (Topic 3)

You are building a customer support chatbot.

You need to configure the bot to identify the following:

- Code names for internal product development
- Messages that include credit card numbers

The solution must minimize development effort. Which Azure Cognitive Service for Language feature should you use for each requirement? To answer, drag the appropriate features to the correct requirements. Each feature may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to view content

NOTE: Each correct selection is worth one point.

The screenshot shows a 'Features' list on the left with the following items: Custom named entity recognition (NER), Key phrase extraction, Language detection, Named Entity Recognition (NER), Personally Identifiable Information (PII) detection, and Sentiment analysis. On the right, the 'Answer Area' contains two empty input boxes. The first box is labeled 'Identify code names for internal product development:' and the second is labeled 'Identify messages that include credit card numbers:'.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

The screenshot shows the same interface as above, but with the answer boxes filled. The first box, 'Identify code names for internal product development:', contains 'Custom named entity recognition (NER)'. The second box, 'Identify messages that include credit card numbers:', contains 'Personally Identifiable Information (PII) detection'.

NEW QUESTION 204

HOTSPOT - (Topic 3)

You have a collection of press releases stored as PDF files.

You need to extract text from the files and perform sentiment analysis.

Which service should you use for each task? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

The screenshot shows two dropdown menus. The first is labeled 'Extract text:' and has 'Computer Vision' selected. The second is labeled 'Perform sentiment analysis:' and has 'Language' selected. Other options in the first dropdown include Azure Cognitive Search and Form Recognizer. Other options in the second dropdown include Azure Cognitive Search, Computer Vision, and Form Recognizer.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

The screenshot shows the same dropdown menus as above, but with the correct selections highlighted. 'Computer Vision' is selected for 'Extract text:' and 'Language' is selected for 'Perform sentiment analysis:'.

NEW QUESTION 209

- (Topic 3)

You are building a bot by using Microsoft Bot Framework.

You need to configure the bot to respond to spoken requests. The solution must minimize development effort.

What should you do?

- A. Deploy the bot to Azure and register the bot with a Direct Une Speech channel
- B. Integrate the bot with Cortana by using the Bot Framework SDK.
- C. Create an Azure function that will call the Speech service and connect the bot to the function.
- D. Deploy the bot to Azure and register the bot with a Microsoft Teams channel.

Answer: B

NEW QUESTION 213

HOTSPOT - (Topic 3)

You are building a chatbot by using the Microsoft Bot Framework Composer. You have the dialog design shown in the following exhibit.

The screenshot shows a dialog flow in Microsoft Bot Framework Composer. The flow starts with a 'BeginDialog' event, followed by a 'Bot Asks (Text)' prompt asking 'What is your name?'. This leads to a 'User Input (Text)' activity where 'user.name = Input(Text)'. The flow then goes to another 'Bot Asks (Number)' prompt asking 'Hello \$(user.name), how old are you?'. This leads to a 'User Input (Number)' activity where 'user.age = Input(Number)'. The right-hand panel shows the configuration for the 'Text input' prompt. It is set to 'string' for both Property and Output Format. The Value expression is 'fx = coalesce(@user.Name.@personName)'. The expected response intent is '#TextInput_Response_GH5FTe'.

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Answer Area

Statements	Yes	No
<code>user.name</code> is an entity.	<input type="radio"/>	<input type="radio"/>
The dialog asks for a user name and a user age and assigns appropriate values to the <code>user.name</code> and <code>user.age</code> properties.	<input type="radio"/>	<input type="radio"/>
The chatbot attempts to take the first non-null entity value for <code>userName</code> or <code>personName</code> and assigns the value to <code>user.name</code> .	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: No

User.name is a property. Box 2: Yes

Box 3: Yes

The coalesce() function evaluates a list of expressions and returns the first non-null (or non-empty for string) expression.

NEW QUESTION 216

- (Topic 3)

You have the following C# method.

```
static void create_resource(string resource_name, string kind, string account_tier, string location)
{
    CognitiveServicesAccount parameters =
        new CognitiveServicesAccount(null, null, kind, location, resource_name, new CognitiveServicesAccountProperties(), new Sku(account_tier));
    var result = cog_svc_client.Accounts.Create(resource_group_name, account_tier, parameters);
}
```

You need to deploy an Azure resource to the East US Azure region. The resource will be used to perform sentiment analysis. How should you call the method?

- A. create_resource("res1", "ContentModerator", "S0", "eastus")
- B. create_resource("res1", "TextAnalytics", "S0", "eastus")
- C. create_resource("res1", "ContentModerator", "Standard", "East US")
- D. create_resource("res1", "TextAnalytics", "Standard", "East US")

Answer: B

Explanation:

To perform sentiment analysis, we specify TextAnalytics, not ContentModerator. Possible SKU names include: 'F0','F1','S0','S1','S2','S3','S4','S5','S6','S7','S8'
 Possible location names include: westus, eastus

Reference:

<https://docs.microsoft.com/en-us/powershell/module/az.cognitiveservices/new-azcognitiveservicesaccount>

NEW QUESTION 217

DRAG DROP - (Topic 3)

You have an Azure subscription that contains an Azure OpenAI resource named AH. You plan to build an app named App1 that will write press releases by using AM.

You need to deploy an Azure OpenAI model for Appl. The solution must minimize development effort.

Which three actions should you perform in sequence in Azure OpenAI Studio? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Actions

- Create a deployment that uses the text-embedding-ada-002 model.
- Apply the Default system message template.
- Create a deployment that uses the GPT-35 Turbo model.
- Apply the Marketing Writing Assistant system message template.
- Deploy the solution to a new web app.

Answer Area

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Actions

- Create a deployment that uses the text-embedding-ada-002 model.
- Apply the Default system message template.
- Create a deployment that uses the GPT-35 Turbo model.
- Apply the Marketing Writing Assistant system message template.
- Deploy the solution to a new web app.

Answer Area

- Create a deployment that uses the GPT-35 Turbo model.
- Apply the Marketing Writing Assistant system message template.
- Deploy the solution to a new web app.

NEW QUESTION 221

DRAG DROP - (Topic 3)

You train a Custom Vision model to identify a company's products by using the Retail domain.

You plan to deploy the model as part of an app for Android phones. You need to prepare the model for deployment.

Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Actions

- Change the model domain.
- Retrain the model.
- Test the model.
- Export the model.

Answer Area



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

In user want to change to deploy offline model

- * 1. Change model domain to compact model
- * 2. Retrain compact model
- * 3. Export model

NEW QUESTION 222

HOTSPOT - (Topic 3)

You are developing a streaming Speech to Text solution that will use the Speech SDK and MP3 encoding.

You need to develop a method to convert speech to text for streaming MP3 data. How should you complete the code? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

```

var audioFormat = 
var speechConfig = SpeechConfig.FromSubscription("18c51a87-3a69-47a8-aedc-a54745f708a1", "westus");
var audioConfig = AudioConfig.FromStreamInput(pushStream, audioFormat);
using (var recognizer = new )
{
    var result = await recognizer.RecognizeOnceAsync();
    var text = result.Text;
}
    
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Graphical user interface, text, application, email Description automatically generated

NEW QUESTION 224

HOTSPOT - (Topic 3)

You are building an app that will share user images.

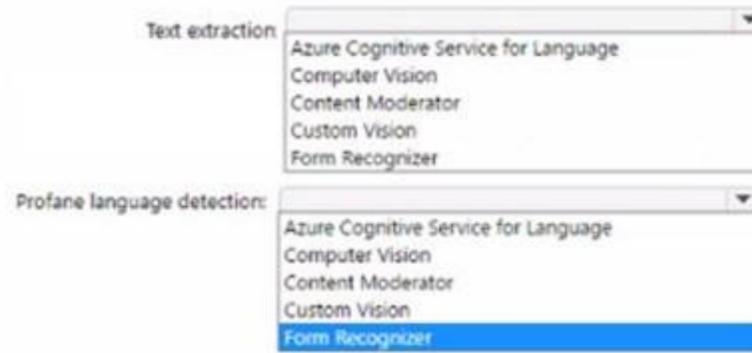
You need to configure the app to meet the following requirement's

- uploaded images must be scanned and any text must be extracted from the images.
- Extracted text must be analyzed for the presence of profane language.
- The solution must minimize development effort.

what should you use for each requirement? To answer, select the apocopate opinions in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Text Extraction: b) Computer Vision

Computer Vision is a service that can analyze images and extract text from them using optical character recognition (OCR) or read API1. OCR can detect and extract printed or handwritten text from images in various languages and formats, such as PDF, TIFF, or JPEG2. Read API can perform asynchronous batch processing of text from multiple images, and can also handle text in tables, mixed languages, and rotated text3.

Profane Language Detection: c) Content Moderator

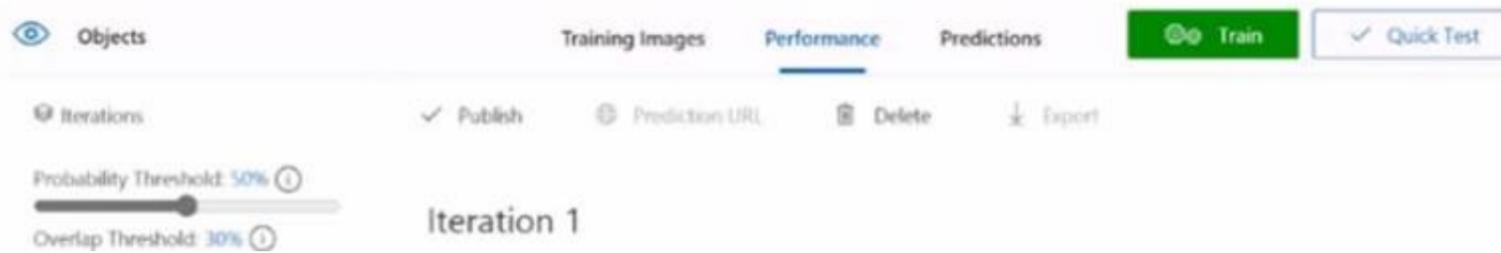
Content Moderator is a service that can detect and filter out potentially offensive or unwanted content in text, images, and videos. For text, Content Moderator can identify profane or abusive language, personal data, and custom terms that you define. You can also use Content Moderator to review and moderate the content manually or automatically using workflows.

NEW QUESTION 225

HOTSPOT - (Topic 3)

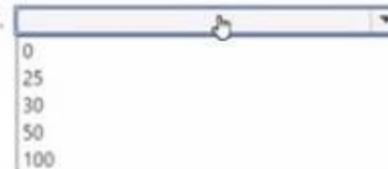
You are building a model to detect objects in images.

The performance of the model based on training data is shown in the following exhibit.



Answer Area

The percentage of false positives is [answer choice].



The value for the number of true positives divided by the total number of true positives and false negatives is [answer choice]%.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

The percentage of false positives is [answer choice].



The value for the number of true positives divided by the total number of true positives and false negatives is [answer choice]%.

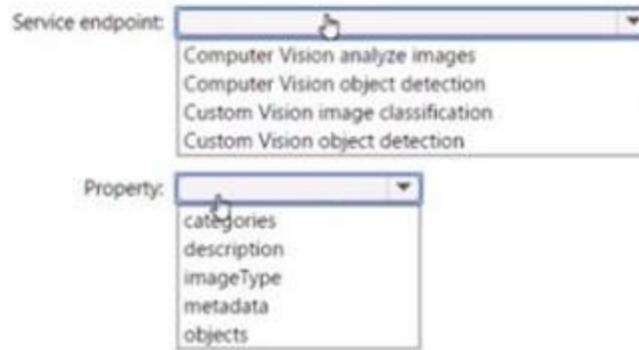


NEW QUESTION 227

HOTSPOT - (Topic 3)

You have a library that contains thousands of images.
 You need to tag the images as photographs, drawings, or clipart.
 Which service endpoint and response property should you use? To answer, select the appropriate options in the answer area.
 NOTE: Each correct selection is worth one point.

Answer Area

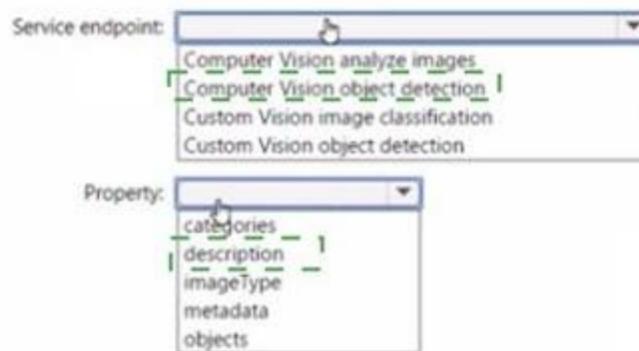


- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area



NEW QUESTION 228

DRAG DROP - (Topic 3)

You have a Language Understanding solution that runs in a Docker container.
 You download the Language Understanding container image from the Microsoft Container Registry (MCR).
 You need to deploy the container image to a host computer.
 Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Actions

Answer Area

- From the Language Understanding portal, retrain the model.
- From the host computer, run the container and specify the input directory.
- From the Language Understanding portal, export the solution as a package file.
- From the host computer, move the package file to the Docker input directory.
- From the host computer, build the container and specify the output directory.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Actions

Answer Area

- From the Language Understanding portal, retrain the model.
- From the host computer, run the container and specify the input directory.
- From the Language Understanding portal, export the solution as a package file.
- From the host computer, move the package file to the Docker input directory.
- From the host computer, build the container and specify the output directory.



NEW QUESTION 233

HOTSPOT - (Topic 3)

You are building a chatbot by using the Microsoft Bot Framework SDK.

You use an object named UserProfile to store user profile information and an object named ConversationData to store information related to a conversation.

You create the following state accessors to store both objects in state.

```
var userStateAccessors = _userState.CreateProperty<UserProfile>(nameof(UserProfile)); var conversationStateAccessors =
_conversationState.CreateProperty<ConversationData>(nameof(ConversationData));
```

The state storage mechanism is set to Memory Storage.

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Statements	Yes	No
The code will create and maintain the UserProfile object in the underlying storage layer.	<input type="radio"/>	<input type="radio"/>
The code will create and maintain the ConversationData object in the underlying storage layer.	<input type="radio"/>	<input type="radio"/>
The UserProfile and ConversationData objects will persist when the Bot Framework runtime terminates.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Yes

You create property accessors using the CreateProperty method that provides a handle to the BotState object. Each state property accessor allows you to get or set the value of the associated state property.

Box 2: Yes

Box 3: No

Before you exit the turn handler, you use the state management objects' SaveChangesAsync() method to write all state changes back to storage.

NEW QUESTION 235

DRAG DROP - (Topic 3)

You are building a transcription service for technical podcasts.

Testing reveals that the service fails to transcribe technical terms accurately. You need to improve the accuracy of the service.

Which five actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

NOTE: More than one order of answer choices is correct. You will receive credit for any of the correct orders you select.

Actions

- Create a Speaker Recognition model.
- Create a Conversational Language Understanding model.
- Create a Custom Speech project.
- Create a speech-to-text model.
- Upload training datasets.
- Train the model.
- Deploy the model.

Answer Area

↑

↓

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

<https://learn.microsoft.com/en-us/azure/cognitive-services/speech-service/custom-speech-overview#how-does-it-work>

With Custom Speech, you can upload your own data, test and train a custom model, compare accuracy between models, and deploy a model to a custom endpoint.

- Create a project and choose a model. Use a Speech resource that you create in the Azure portal. If you will train a custom model with audio data, choose a Speech resource region with dedicated hardware for training audio data.
- Upload test data. Upload test data to evaluate the speech to text offering for your applications, tools, and products.
- Train a model. Provide written transcripts and related text, along with the corresponding audio data. Testing a model before and after training is optional but recommended.
- Deploy a model. Once you're satisfied with the test results, deploy the model to a custom endpoint. With the exception of batch transcription, you must deploy a custom endpoint to use a Custom Speech model.

NEW QUESTION 239

- (Topic 3)

You are building a social media extension that will convert text to speech. The solution must meet the following requirements:

- Support messages of up to 400 characters.
- Provide users with multiple voice options.

- Minimize costs.

You create an Azure Cognitive Services resource.

Which Speech API endpoint provides users with the available voice options?

- A. <https://uksouth.customvoice.apispeech.microsoft.com/api/texttospeech/v3.0/longaudiosyntesis/voices>
- B. <https://uksouth.tts.speech.microsoft.com/cognitiveservices/voices/list>
- C. [https://uksouth.voice.speech.microsoft.com/cognitiveservices/v1?deploymentId = {deploymentId}](https://uksouth.voice.speech.microsoft.com/cognitiveservices/v1?deploymentId={deploymentId})
- D. <https://uksouth.api.cognitive.microsoft.com/speechtotext/v3.0/models/base>

Answer: B

NEW QUESTION 240

- (Topic 3)

You are building a chatbot.

You need to ensure that the bot will recognize the names of your company's products and codenames. The solution must minimize development effort.

Which Azure Cognitive Service for Language service should you include in the solution?

- A. custom text classification
- B. entity linking
- C. custom Named Entity Recognition (NER)
- D. key phrase extraction

Answer: C

NEW QUESTION 245

- (Topic 3)

You build a language model by using Conversational Language Understanding. The language model is used to search for information on a contact list by using an intent named Findcontact. A conversational expert provides you with the following list of phrases to use for training

- Find contacts in London.
- Who do I know in Seattle?
- Search for contacts in Ukraine.

You need to implement the phrase list in Conversational Language Understanding. Solution: You create a new utterance for each phrase in the FindContact intent.

- A. Yes
- B. No

Answer: B

NEW QUESTION 248

HOTSPOT - (Topic 3)

You are developing an internet-based training solution for remote learners.

Your company identifies that during the training, some learners leave their desk for long periods or become distracted.

You need to use a video and audio feed from each learner's computer to detect whether the learner is present and paying attention. The solution must minimize development effort and identify each learner.

Which Azure Cognitive Services service should you use for each requirement? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

From a learner's video feed, verify whether the learner is present:

Face
Speech
Text Analytics

From a learner's facial expression in the video feed, verify whether the learner is paying attention:

Face
Speech
Text Analytics

From a learner's audio feed, detect whether the learner is talking:

Face
Speech
Text Analytics

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

From a learner's video feed, verify whether the learner is present:

Face
Speech
Text Analytics

From a learner's facial expression in the video feed, verify whether the learner is paying attention:

Face
Speech
Text Analytics

From a learner's audio feed, detect whether the learner is talking:

Face
Speech
Text Analytics

NEW QUESTION 250

- (Topic 3)

You need to implement a table projection to generate a physical expression of an Azure Cognitive Search index.

Which three properties should you specify in the skillset definition JSON configuration table node? Each correct answer presents part of the solution. (Choose three.)

NOTE: Each correct selection is worth one point.

- A. tableName
- B. generatedKeyName
- C. dataSource
- D. dataSourceConnection
- E. source

Answer: ABE

Explanation:

Defining a table projection.

Each table requires three properties:

tableName: The name of the table in Azure Storage.

generatedKeyName: The column name for the key that uniquely identifies this row. source: The node from the enrichment tree you are sourcing your enrichments from. This node is usually the output of a shaper, but could be the output of any of the skills.

Reference:

<https://docs.microsoft.com/en-us/azure/search/knowledge-store-projection-overview>

NEW QUESTION 252

- (Topic 3)

You are developing a method that uses the Computer Vision client library. The method will perform optical character recognition (OCR) in images. The method has the following code.

```
public static async Task ReadImageUrl(ComputerVisionClient client, string urlFile)
{
    const int numberOfCharsInOperationId = 36;

    var txtHeaders = await client.ReadAsync(urlFile, language: "en");

    string opLocation = txtHeaders.OperationLocation;
    string operationId = opLocation.Substring(opLocation.Length -
        numberOfCharsInOperationId);

    ReadOperationResult results;

    results = await client.GetReadResultAsync(Guid.Parse(operationId));

    var textUrlFileResults = results.AnalyzeResult.ReadResults;
    foreach (ReadResult page in textUrlFileResults)
    {
        foreach (Line line in page.Lines)
        {
            Console.WriteLine(line.Text);
        }
    }
}
```

During testing, you discover that the call to the GetReadResultAsync method occurs before the read operation is complete.

You need to prevent the GetReadResultAsync method from proceeding until the read operation is complete.

Which two actions should you perform? Each correct answer presents part of the solution. (Choose two.)

NOTE: Each correct selection is worth one point.

- A. Remove the Guid.Parse(operationId) parameter.
- B. Add code to verify the results.Status value.
- C. Add code to verify the status of the txtHeaders.Status value.
- D. Wrap the call to GetReadResultAsync within a loop that contains a delay.

Answer: BD

Explanation:

Example code : do

```
{
results = await client.GetReadResultAsync(Guid.Parse(operationId));
}
```

while ((results.Status == OperationStatusCodes.Running || results.Status == OperationStatusCodes.NotStarted));

Reference:

<https://github.com/Azure-Samples/cognitive-services-quickstart- code/blob/master/dotnet/ComputerVision/ComputerVisionQuickstart.cs>

NEW QUESTION 257

- (Topic 3)

You are building a language model by using a Language Understanding service. You create a new Language Understanding resource. You need to add more contributors. What should you use?

- A. a conditional access policy in Azure Active Directory (Azure AD)
- B. the Access control (1AM) page for the authoring resources in the Azure portal
- C. the Access control (1AM) page for the prediction resources in the Azure portal

Answer: B

Explanation:

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/luis/luis-how-to-collaborate>

NEW QUESTION 259

- (Topic 3)

You have a chatbot that was built by using the Microsoft Bot Framework. You need to debug the chatbot endpoint remotely. Which two tools should you install on a local computer? Each correct answer presents part of the solution. (Choose two.)
 NOTE: Each correct selection is worth one point.

- A. Fiddler
- B. Bot Framework Composer
- C. Bot Framework Emulator
- D. Bot Framework CLI
- E. ngrok
- F. nginx

Answer: CE

Explanation:

Bot Framework Emulator is a desktop application that allows bot developers to test and debug bots, either locally or remotely. ngrok is a cross-platform application that "allows you to expose a web server running on your local machine to the internet." Essentially, what we'll be doing is using ngrok to forward messages from external channels on the web directly to our local machine to allow debugging, as opposed to the standard messaging endpoint configured in the Azure portal.

Reference:

<https://docs.microsoft.com/en-us/azure/bot-service/bot-service-debug-emulator>

NEW QUESTION 261

DRAG DROP - (Topic 3)

You are building a retail chatbot that will use a QnA Maker service. You upload an internal support document to train the model. The document contains the following question: "What is your warranty period?" Users report that the chatbot returns the default QnA Maker answer when they ask the following question: "How long is the warranty coverage?" The chatbot returns the correct answer when the users ask the following question: "What is your warranty period?" Both questions should return the same answer. You need to increase the accuracy of the chatbot responses. Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order. (Choose three.)

Actions

Answer Area

- Add a new question and answer (QnA) pair.
- Retrain the model.
- Add additional questions to the document.
- Republish the model.
- Add alternative phrasing to the question and answer (QnA) pair.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Step 1: Add alternative phrasing to the question and answer (QnA) pair.

Add alternate questions to an existing QnA pair to improve the likelihood of a match to a user query.

Step 2: Retrain the model.

Periodically select Save and train after making edits to avoid losing changes. Step 3: Republish the model

Note: A knowledge base consists of question and answer (QnA) pairs. Each pair has one answer and a pair contains all the information associated with that answer.

NEW QUESTION 266

HOTSPOT - (Topic 3)

You need to create a new resource that will be used to perform sentiment analysis and optical character recognition (OCR). The solution must meet the following requirements:

? Use a single key and endpoint to access multiple services.

? Consolidate billing for future services that you might use.

? Support the use of Computer Vision in the future.

How should you complete the HTTP request to create the new resource? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

PATCH
POST
PUT

 xxx-xxxx-

 xxxxxxxxxxxx/resourceGroups/RG1/providers/Microsoft.CognitiveServices/

 accounts/CS1?api-version=2017-04-18


```

{
  "location": "West US",
  "kind": "


|                   |
|-------------------|
| CognitiveServices |
| ComputerVision    |
| TextAnalytics     |


  ",
  "sku": {
    "name": "S0"
  },
  "properties": {},
  "identity": {
    "type": "SystemAssigned"
  }
}
        
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: PUT

Sample Request: PUT <https://management.azure.com/subscriptions/00000000-0000-0000-0000-000000000000/resourceGroups/test-rg/providers/Microsoft.DeviceUpdate/accounts/contoso?api-version=2020-03-01-preview>

NEW QUESTION 268

HOTSPOT - (Topic 3)

You are developing an application that will use the Computer Vision client library. The application has the following code.

```
public async TaskAnalyzeImage(ComputerVisionClient client, string localImage)
{
    List<VisualFeatureTypes> features = new List<VisualFeatureTypes>()
    {
        VisualFeatureTypes.Description,
        VisualFeatureTypes.Tags,
    };
    using (Stream imageStream = File.OpenRead(localImage))
    {
        try
        {
            ImageAnalysis results = await client.AnalyzeImageInStreamAsync(imageStream, features);

            foreach (var caption in results.Description.Captions)
            {
                Console.WriteLine($"{caption.Text} with confidence {caption.Confidence}");
            }

            foreach (var tag in results.Tags)
            {
                Console.WriteLine($"{tag.Name} {tag.Confidence}");
            }
        }
        catch (Exception ex)
        {
            Console.WriteLine(ex.Message);
        }
    }
}
```

For each of the following statements, select Yes if the statement is true. Otherwise, select No.
 NOTE: Each correct selection is worth one point.

Answer Area

Statements	Yes	No
The code will perform face recognition.	<input type="radio"/>	<input type="radio"/>
The code will list tags and their associated confidence.	<input type="radio"/>	<input type="radio"/>
The code will read a file from the local file system.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Statements	Yes	No
The code will perform face recognition.	<input type="radio"/>	<input checked="" type="radio"/>
The code will list tags and their associated confidence.	<input checked="" type="radio"/>	<input type="radio"/>
The code will read a file from the local file system.	<input checked="" type="radio"/>	<input type="radio"/>

NEW QUESTION 269

- (Topic 3)

You need to measure the public perception of your brand on social media by using natural language processing. Which Azure service should you use?

- A. Content Moderator
- B. Form Recognizer
- C. Computer Vision
- D. Language service

Answer: D

NEW QUESTION 273

- (Topic 3)

Note: This question is part of a series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

You have a chatbot that uses question answering in Azure Cognitive Service for Language. Users report that the responses of the chatbot lack formality when answering spurious questions.

You need to ensure that the chatbot provides formal responses to spurious questions. Solution: From Language Studio, you remove all the chat question and answer pairs.

and then retrain and republish the model Does this meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

Removing all the chit-chat question and answer pairs from the project will not ensure that the chatbot provides formal responses to spurious questions. It will only make the chatbot unable to handle any chit-chat scenarios, which may result in a poor user experience and a loss of engagement. Instead, you should choose a chit-chat personality that matches the tone and style of your chatbot, such as Professional or Caring. You can also edit the chit-chat questions and answers to suit your specific needs, or add new ones that are not in the predefined data set¹². This way, you can ensure that the chatbot responds appropriately to spurious questions, while still maintaining a conversational and engaging interaction with the user.

NEW QUESTION 278

- (Topic 3)

You need to measure the public perception of your brand on social media by using natural language processing. Which Azure service should you use?

- A. Content Moderator
- B. Form Recognizer
- C. Computer Vision
- D. Language service

Answer: D

NEW QUESTION 279

- (Topic 3)

Your company has a reporting solution that has paginated reports. The reports query a dimensional model in a data warehouse. Which type of processing does the reporting solution use?

- A. Online Transaction Processing (OLTP)
- B. Online Analytical Processing (OLAP)
- C. batch processing
- D. stream processing

Answer: B

NEW QUESTION 281

- (Topic 3)

You have an Azure subscription that contains an Azure Cognitive Service for Language resource. You need to identify the URL of the REST interface for the Language service. Which blade should you use in the Azure portal?

- A. Identity
- B. Keys and Endpoint
- C. Properties
- D. Networking

Answer: B

NEW QUESTION 286

- (Topic 3)

You need to create a visualization of running sales totals per quarter as shown in the following exhibit.



What should you create in Power BI Desktop;1

- A. a waterfall chart
- B. a ribbon chart
- C. a bar chart
- D. a decomposition tree

Answer: C

NEW QUESTION 289

HOTSPOT - (Topic 3)

You are building a chatbot for a Microsoft Teams channel by using the Microsoft Bot Framework SDK. The chatbot will use the following code.

```
protected override async Task OnMembersAddedAsync(IList<ChannelAccount>
membersAdded, ITurnContext<IConversationUpdateActivity> turnContext,
Cancellation token cancellationToken)
{
    foreach (var member in membersAdded)
        if (member.Id != turnContext.Activity.Recipient.Id)
            await turnContext.SendActivityAsync($"Hi there - {member.Name}.
{WelcomeMessage}", cancellationToken: cancellationToken);
}
```

For each of the following statements, select Yes if the statement is true. Otherwise, select No.

NOTE: Each correct selection is worth one point.

Answer Area

Statements	Yes	No
OnMembersAddedAsync will be triggered when a user joins the conversation.	<input type="radio"/>	<input type="radio"/>
When a new user joins the conversation, the existing users in the conversation will see the chatbot greeting.	<input type="radio"/>	<input type="radio"/>
OnMembersAddedAsync will be initialized when a user sends a message.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Yes

The ActivityHandler.OnMembersAddedAsync method overrides this in a derived class to provide logic for when members other than the bot join the conversation, such as your bot's welcome logic.

Box 2: Yes

membersAdded is a list of all the members added to the conversation, as described by the conversation update activity.

Box 3: No

NEW QUESTION 291

HOTSPOT - (Topic 3)

You have an Azure subscription that contains an Azure OpenAI resource named AH. You build a chatbot that will use AI1 to provide generative answers to specific questions. You need to ensure that the responses are more creative and less deterministic.

How should you complete the code? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

```
new ChatCompletionOptions()
{
    Messages =
    {
        new ChatMessage(
            ChatRole.User, @""),
    },
    Temperature = (float)1.0,
    TokenSelectionBiases
MaxTokens = 800,
});
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

```

new ChatCompletionsOptions()
{
    Messages =
    {
        new ChatMessage(
            ChatRole.User, @""),
    },
    Temperature = (float)1.0,
    MaxTokens = 800,
});
    
```

NEW QUESTION 294

- (Topic 3)

You are building an Azure WebJob that will create knowledge bases from an array of URLs.

You instantiate a QnAMakerClient object that has the relevant API keys and assign the object to a variable named client.

You need to develop a method to create the knowledge bases.

Which two actions should you include in the method? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Create a list of FileDTO objects that represents data from the WebJob.
- B. Call the client
- C. Knowledgebas
- D. CreateAsync method.
- E. Create a list of QnADTO objects that represents data from the WebJob.
- F. Create a CreateKbDTO object.

Answer: AC

Explanation:

Reference:

<https://docs.microsoft.com/en-us/rest/api/cognitiveservices-qnamaker/qnamaker4.0/knowledgebase/create>

NEW QUESTION 297

HOTSPOT - (Topic 3)

You are building an app that will process incoming email and direct email messages to either French or English language support teams.

Which Azure Cognitive Services API should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

https://

api.cognitive.microsofttranslator.com	/text/analytics/v3.1/entities/recognition/general
api.cognitive.microsofttranslator.com	/text/analytics/v3.1/entities/recognition/general
eastus.api.cognitive.microsoft.com	/text/analytics/v3.1/languages
portal.azure.com	/translator/text/v3.0/translate?to=en
	/translator/text/v3.0/translate?to=fr

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

https://

api.cognitive.microsofttranslator.com	/text/analytics/v3.1/entities/recognition/general
api.cognitive.microsofttranslator.com	/text/analytics/v3.1/entities/recognition/general
eastus.api.cognitive.microsoft.com	/text/analytics/v3.1/languages
portal.azure.com	/translator/text/v3.0/translate?to=en
	/translator/text/v3.0/translate?to=fr

NEW QUESTION 301

HOTSPOT - (Topic 3)

Select the answer that correctly completes the sentence.

Answer Area

The  clause can be used in Data Manipulation Language (DML) statements to specify the criteria that rows must match.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

The  clause can be used in Data Manipulation Language (DML) statements to specify the criteria that rows must match.

NEW QUESTION 305

HOTSPOT - (Topic 3)

You plan to deploy an Azure OpenAI resource by using an Azure Resource Manager (ARM) template.

You need to ensure that the resource can respond to 600 requests per minute.

How should you complete the template? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

```
{
  "type": "Microsoft.CognitiveServices/accounts/deployments",
  "apiVersion": "2023-05-01",
  "name": "arm-aoai-sample-resource/arm-je-std-deployment",
  "dependsOn": [
    "[resourceId('Microsoft.CognitiveServices/accounts', 'arm-aoai-sample-resource')]"
  ],
  "sku": {
    "name": "Standard",
    "capacity": 600,
    "count": 1,
    "maxValue": 100,
    "size": 600
  },
  "properties": {
    "model": {
      "format": "OpenAI",
    }
  }
}
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

```
{
  "type": "Microsoft.CognitiveServices/accounts/deployments",
  "apiVersion": "2023-05-01",
  "name": "arm-aoai-sample-resource/arm-je-std-deployment",
  "dependsOn": [
    "[resourceId('Microsoft.CognitiveServices/accounts', 'arm-aoai-sample-resource')]"
  ],
  "sku": {
    "name": "Standard",
    "capacity": 600,
    "count": 1,
    "maxValue": 100,
    "size": 600
  },
  "properties": {
    "model": {
      "format": "OpenAI",
      ...
    }
  }
}
```

NEW QUESTION 306

- (Topic 3)

What is used to define a query in a stream processing jobs in Azure Stream Analytics?

- A. SQL
- B. XML
- C. YAML
- D. KOL

Answer: A

NEW QUESTION 307

- (Topic 3)

You are developing a method for an application that uses the Translator API.

The method will receive the content of a webpage, and then translate the content into Greek (el). The result will also contain a transliteration that uses the Roman alphabet.

You need to create the URI for the call to the Translator API. You have the following URI. <https://api.cognitive.microsofttranslator.com/translate?api-version=3.0>

Which three additional query parameters should you include in the URI? Each correct answer presents part of the solution. (Choose three.)

NOTE: Each correct selection is worth one point.

- A. toScript=Cyrl
- B. from=el
- C. textType=html
- D. to=el
- E. textType=plain
- F. toScript=Latn

Answer: ADF

Explanation:

C: textType is an optional parameter. It defines whether the text being translated is plain text or HTML text (used for web pages).

D: to is a required parameter. It specifies the language of the output text. The target language must be one of the supported languages included in the translation scope.

F: toScript is an optional parameter. It specifies the script of the translated text. We use Latin (Roman alphabet) script.

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/translator/reference/v3-0-translate>

NEW QUESTION 312

- (Topic 3)

You build a bot by using the Microsoft Bot Framework SDK and the Azure Bot Service.

You plan to deploy the bot to Azure.

You register the bot by using the Bot Channels Registration service.

Which two values are required to complete the deployment? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. botId
- B. tenanId
- C. appld
- D. objecId

E. appSecrec

Answer: CE

Explanation:

Reference:

<https://github.com/MicrosoftDocs/bot-docs/blob/live/articles/bot-service-quickstart-registration.md>

NEW QUESTION 315

- (Topic 2)

You are developing the chatbot.

You create the following components:

- A QnA Maker resource
- A chatbot by using the Azure Bot Framework SDK

You need to add an additional component to meet the technical requirements and the chatbot requirements. What should you add?

- A. Dispatch
- B. chatdown
- C. Language Understanding
- D. Microsoft Translator

Answer: A

Explanation:

Scenario: All planned projects must support English, French, and Portuguese.

If a bot uses multiple LUIS models and QnA Maker knowledge bases (knowledge bases), you can use the Dispatch tool to determine which LUIS model or QnA Maker knowledge base best matches the user input. The dispatch tool does this by creating a single LUIS app to route user input to the correct model.

Reference:

<https://docs.microsoft.com/en-us/azure/bot-service/bot-builder-tutorial-dispatch>

NEW QUESTION 320

DRAG DROP - (Topic 2)

You are developing a solution for the Management-Bookkeepers group to meet the document processing requirements. The solution must contain the following components:

- ? A form Recognizer resource
- ? An Azure web app that hosts the Form Recognizer sample labeling tool

The Management-Bookkeepers group needs to create a custom table extractor by using the sample labeling tool.

Which three actions should the Management-Bookkeepers group perform in sequence? To answer, move the appropriate cmdlets from the list of cmdlets to the answer area and arrange them in the correct order.

Actions	Answer Area
Train a custom model	
Label the sample documents	
Create a new project and load sample documents	
Create a composite model	

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

- Step 1: Create a new project and load sample documents
Create a new project. Projects store your configurations and settings.
- Step 2: Label the sample documents
When you create or open a project, the main tag editor window opens.
- Step 3: Train a custom model. Finally, train a custom model.

NEW QUESTION 325

HOTSPOT - (Topic 1)

You need to develop code to upload images for the product creation project. The solution must meet the accessibility requirements.

How should you complete the code? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

```
public static async Task<string> SuggestAltText(ComputerVisionClient client,
{
    List<VisualFeatureTypes?> features = new List<VisualFeatureTypes?>()
    {
        VisualFeatureTypes.Description
        VisualFeatureTypes.ImageType
        VisualFeatureTypes.Objects
        VisualFeatureTypes.Tags
    };
    ImageAnalysis results = await client.AnalyzeImageAsync(image, features);
    var c = results.Brands.DetectedBrands[0]
    var c = results.Description.Captions[0]
    var c = results.Metadata[0]
    var c = results.Objects[0]
    if(c.Confidence>0.5) return(c.Text);
}
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

```
public static async Task<string> SuggestAltText(ComputerVisionClient client,
{
    List<VisualFeatureTypes?> features = new List<VisualFeatureTypes?>()
    {
        VisualFeatureTypes.Description
        VisualFeatureTypes.ImageType
        VisualFeatureTypes.Objects
        VisualFeatureTypes.Tags
    };
    ImageAnalysis results = await client.AnalyzeImageAsync(image, features);
    var c = results.Brands.DetectedBrands[0]
    var c = results.Description.Captions[0]
    var c = results.Metadata[0]
    var c = results.Objects[0]
    if(c.Confidence>0.5) return(c.Text);
}
```

NEW QUESTION 327

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