

Microsoft

Exam Questions AI-102

Designing and Implementing an Azure AI Solution



NEW QUESTION 1

- (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 2

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
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:

Answer Area

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 3

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

Chat session

Clear chat View code Show raw JSON

 Start chatting

Test your assistant by sending queries below. Then adjust your assistant setup to improve the assistant's responses.

Type user query here. (Shift + Enter for new line)

Configuration

Deployment Parameters

Max response 800

Temperature 0.7

Top P 0.5

Stop sequence

Stop sequences

Frequency penalty 0

Presence penalty 0

Learn more

Current token count

Input tokens progress indicator

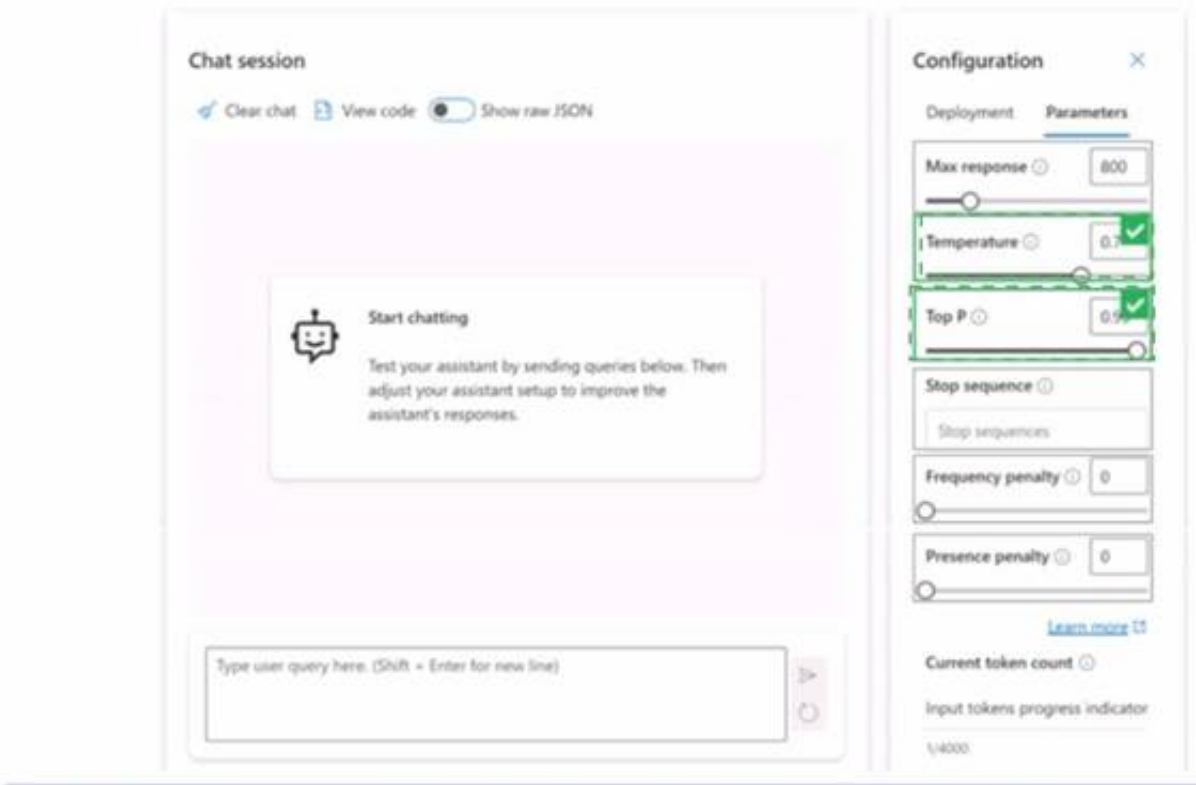
1/4000

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area



NEW QUESTION 4

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

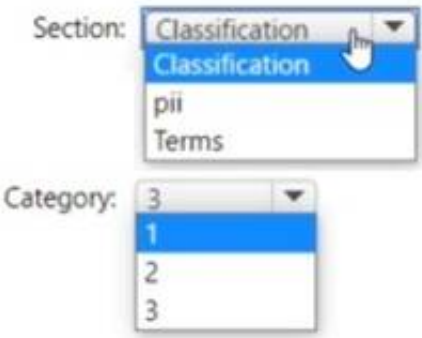
- A. the Frequency penalty parameter
- B. abuse monitoring
- C. a content filter
- D. the Temperature parameter

Answer: B

NEW QUESTION 5

HOTSPOT - (Topic 3)
You are building a chatbot.
You need to use the Content Moderator service to identify messages that contain sexually explicit language.
Which section in the response from the service will contain the category score, and which category will be assigned to the message? To answer, select the appropriate options in the answer area,
NOTE: Each correct selection is worth one point.

Answer Area

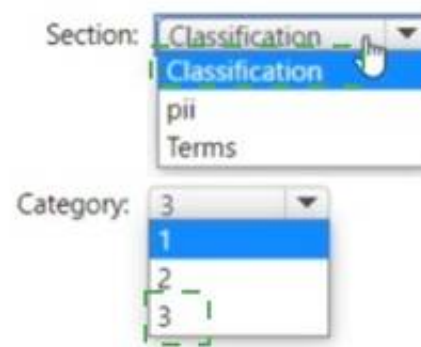


- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area



NEW QUESTION 6

- (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 7

- (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 8

HOTSPOT - (Topic 3)

Select the answer that correctly completes the sentence.

Answer Area

The massively parallel processing (MPP) engine of Azure Synapse Analytics

distributes processing across compute nodes.

distributes processing across control nodes.

redirects client connections across compute nodes.

redirects client connections across control nodes.

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area

The massively parallel processing (MPP) engine of Azure Synapse Analytics

distributes processing across compute nodes.

distributes processing across control nodes.

redirects client connections across compute nodes.

redirects client connections across control nodes.

NEW QUESTION 9

- (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 fram the model. Which type of custom entity should you use?

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

Answer: C

NEW QUESTION 10

- (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 10

HOTSPOT - (Topic 3)

For each of the following statements, select Yes if the statement is tine. 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

Stream processing has access to the most recent data received or data within a rolling time window.

Yes

No

Batch processing must occur immediately and have latency in the order of seconds or milliseconds.

Yes

No

Stream processing is used for simple response functions, aggregates, or calculations such as rolling averages.

Yes

No

NEW QUESTION 12

- (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 17

- (Topic 3)
You are examining the Language service output of an application.
The text analyzed is: Our tour guide took us up the Space Needle during our trip to Seattle last week.
The response contains the data shown in the following table.

Text	Category	ConfidenceScore
Tour guide	PersonType	0.45
Space Needle	Location	0.38
Trip	Event	0.78
Seattle	Location	0.78
Last week	DateTime	0.80

Which Language service API is used 10 analyze the Text?

- A. Entity Linking
- B. Named Entity Recognition
- C. Key Phrase Extraction
- D. Sentiment Analysis

Answer: B

NEW QUESTION 22

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.

AskForName > BeginDialog > Text

Show code

BeginDialog

Begin dialog event

Bot Asks (Text)

What is your name?

User Input (Text)

username = Input(Text)

Bot Asks (Number)

Hello \${user.name}, how old are you?

User Input (Number)

user.age = Input(Number)

Prompt for text

Text Input

Collection information - Ask for a word or sentence.

Learn more

Bot Asks

User Input

Other

Property

string

user.name

Output format

string

ex. =toUpper(this.value), \${toUpper(this.value)}

Value

expression

fx =coalesce(@userName,@personName)

Expected responses (intent: #TextInput_Response_GHSFTe)

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	<div>YesNo</div>
user.name is an entity.	<div><div></div><div></div></div>
The dialog asks for a user name and a user age and assigns appropriate values to the user.name and user.age properties.	<div><div></div><div></div></div>
The chatbot attempts to take the first non-null entity value for username Of personname and assigns the value to user.name.	<div><div></div><div></div></div>

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

Answer Area	
Statements	<div>YesNo</div>
user.name is an entity.	<div><div></div><div><div></div></div></div>
The dialog asks for a user name and a user age and assigns appropriate values to the user.name and user.age properties.	<div><div><div></div></div><div></div></div>
The chatbot attempts to take the first non-null entity value for username Of personname and assigns the value to user.name.	<div><div><div></div></div><div></div></div>

NEW QUESTION 25

HOTSPOT - (Topic 3)

You are building a bot and that will use Language Understanding. You have a LUDown file that contains the following content.

```
## Confirm
- confirm
- ok
- yes

## ExtractName
- call me steve !
- i am anna
- (i'm|i am) {@PersonName.Any}[.]
- my name is {@PersonName.Any}[.]

## Logout
- forget me
- log out

## SelectItem
- choose last
- choose the {@DirectionalReference=bottom left}
- choose {@DirectionalReference=top right}
- i like {@DirectionalReference=left} one

## SelectNone
- none

@ ml DirectionalReference
@ prebuilt personName
```

Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.
NOTE: Each correct selection is worth one point.

SelectItem is [answer choice].

a domain

an entity

an intent

an utterance

Choose {@DirectionalReference=top right} is [answer choice].

a domain

an entity

an intent

an utterance

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

SelectItem is [answer choice].

a domain

an entity

an intent

an utterance

Choose {@DirectionalReference=top right} is [answer choice].

a domain

an entity

an intent

an utterance

NEW QUESTION 28

- (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 30

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 = "FF956C68883B21B38691ABD200A4C606";
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 = "https://api.cognitive.microsofttranslator.com/translate";
               "https://api.cognitive.microsofttranslator.com/transliterate";
               "https://api-apc.cognitive.microsofttranslator.com/detect";
               "https://api-nam.cognitive.microsofttranslator.com/detect";
               "https://api-nam.cognitive.microsofttranslator.com/translate";

var apiKey = "FF956C68B83B21B38691ABD200A4C606";
var text = getTextToBeTranslated();
var body = '[{"Text":"' + text + '"}]';
var client = new HttpClient();
client.DefaultRequestHeaders.Add("Ocp-Apim-Subscription-Key", apiKey);

var uri = endpoint + "?from=en";
var uri = endpoint + "?suggestedFrom=en";
var uri = endpoint + "?to=en";

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

```

NEW QUESTION 33

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 s 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:

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

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.

NEW QUESTION 35

- (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 37

- (Topic 3)

You need to develop a solution to provide data to executives. The solution must provide an interactive graphical interface, depict various key performance indicators, and support data exploration by using drill down. What should you use in Microsoft Power BI?

- A. a report
- B. Microsoft Power Apps
- C. a view
- D. a dataflow

Answer: C

NEW QUESTION 39

- (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 43

- (Topic 3)

You have an Azure subscription that contains a Language service resource named ta1 and a virtual network named vnet1. You need to ensure that only resources in vnet1 can access ta1. What should you configure?

- A. a network security group (NSG) for vnet1
- B. Azure Firewall for vnet1
- C. the virtual network settings for ta 1
- D. a Language service container for ta1

Answer: C

NEW QUESTION 46

- (Topic 3)

You need to store event log data that is semi-structured and received as the logs occur. What should you use?

- A. Azure Table storage
- B. Azure Queue storage
- C. Azure Files

Answer: A

NEW QUESTION 51

- (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 52

- (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 53

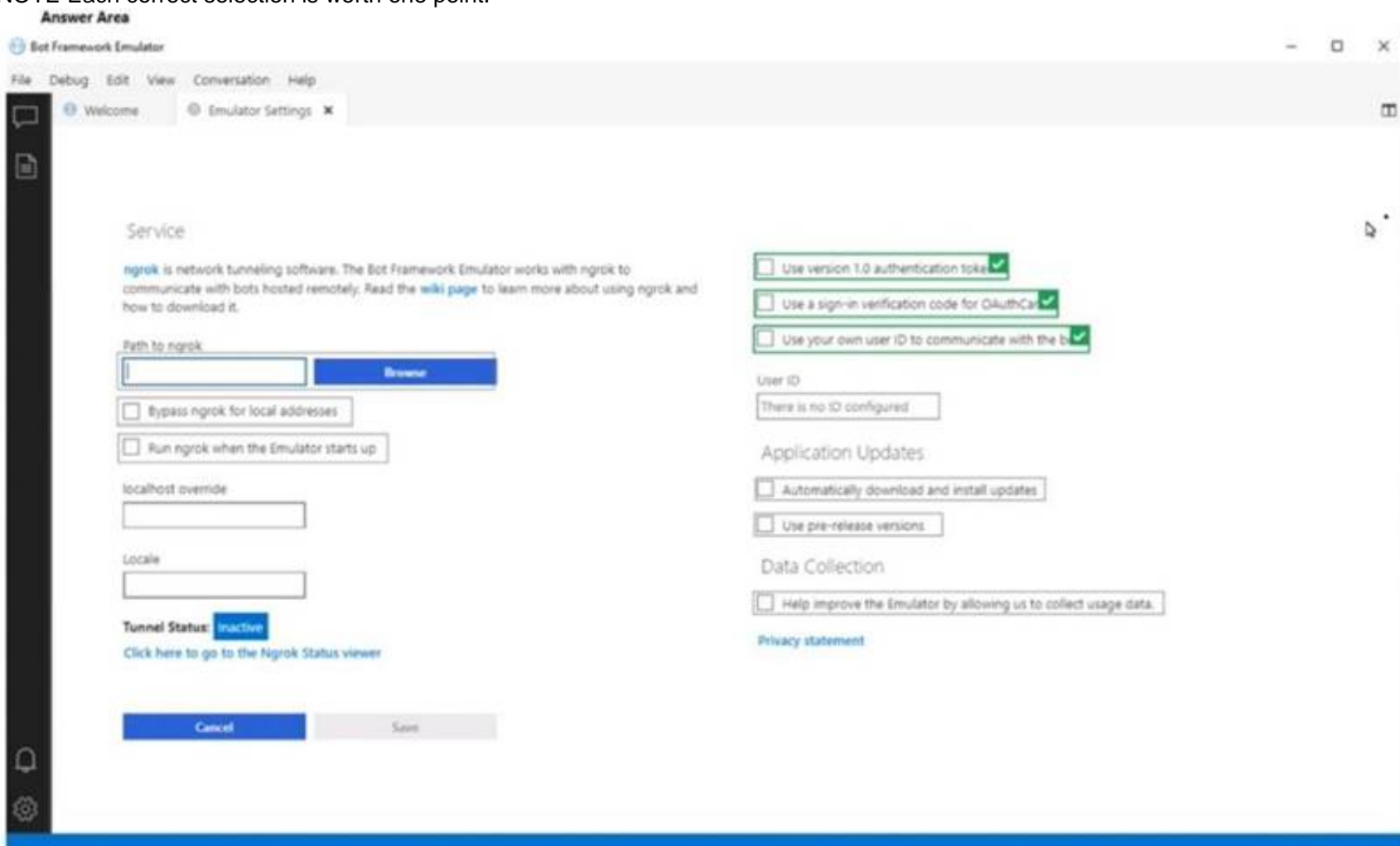
HOTSPOT - (Topic 3)

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.

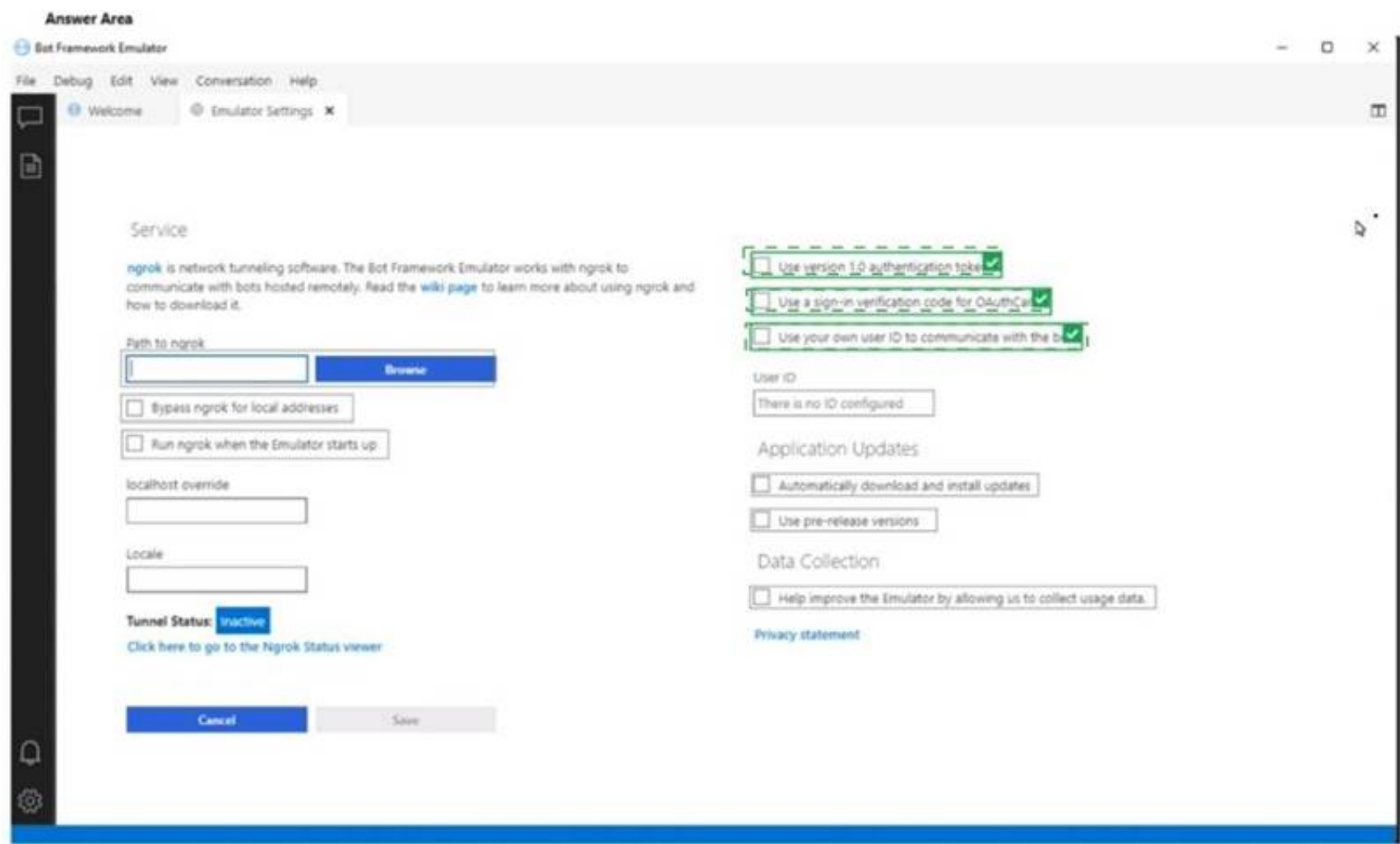
NOTE Each correct selection is worth one point.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 54

DRAG DROP - (Topic 3)

You have a Custom Vision resource named acvdev in a development environment. You have a Custom Vision resource named acvprod in a production environment.

In acvdev, you build an object detection model named obj1 in a project named proj1. You need to move obj1 to acvprod.

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

Use the ExportProject endpoint on acvdev.

Use the GetProjects endpoint on acvdev.

Use the ImportProject endpoint on acvprod.

Use the ExportIteration endpoint on acvdev.

Use the GetIterations endpoint on acvdev.

Use the UpdateProject endpoint on acvprod.

Answer Area

⬅️

➡️

⬆️

⬆️

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Actions

Use the ExportProject endpoint on acvdev.

Use the GetProjects endpoint on acvdev.

Use the ImportProject endpoint on acvprod.

Use the ExportIteration endpoint on acvdev.

Use the GetIterations endpoint on acvdev.

Use the UpdateProject endpoint on acvprod.

Answer Area

⬅️

➡️

⬆️

⬆️

Use the GetProjects endpoint on acvdev.

Use the ExportProject endpoint on acvdev.

Use the ImportProject endpoint on acvprod.

NEW QUESTION 55

- (Topic 3)

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

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

Answer: A

NEW QUESTION 57

- (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 58

- (Topic 3)

Which property of a transactional workload guarantees that each transaction is treated as a single unit that either succeeds completely or tails completely?

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

Answer: B

NEW QUESTION 60

- (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 FormRecognizerClienc client and the ScarcRecognizeConcencFromUri method
- B. the FormTrainingClienc client and the ScarcRecognizeContentFromUri method
- C. the FormRecognizerClienc client and the ScarcRecognizeReceipcsFromUri method
- D. the FormTrainingClient client and the ScarcRecognizeReceipcsFromUri 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 65

- (Topic 3)

You have an Azure Cognitive Search solution and a collection of handwritten letters stored as JPEG files.

You plan to index the collection. The solution must ensure that queries can be performed on the contents of the letters.

You need to create an indexer that has a skillset. Which skill should you include?

- A. key phrase extraction
- B. optical character recognition (OCR)
- C. document extraction
- D. image analysis

Answer: B

NEW QUESTION 66

- (Topic 3)

You are building a Language Understanding model for an e-commerce chatbot. Users can speak or type their billing address when prompted by the chatbot.

You need to construct an entity to capture billing addresses. Which entity type should you use?

- A. machine learned
- B. Regex
- C. list
- D. Pattern.any

Answer: B

Explanation:

Reference:
<https://docs.microsoft.com/en-us/azure/cognitive-services/luis/luis-concept-entity-types>
ML Entity with Structure
An ML entity can be composed of smaller sub-entities, each of which can have its own properties. For example, Address could have the following structure:
Address: 4567 Main Street, NY, 98052, USA Building Number: 4567
Street Name: Main Street State: NY
Zip Code: 98052 Country: USA

NEW QUESTION 67

- (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 69

HOTSPOT - (Topic 3)
You run the following command.

```
docker run --rm -it -p 5000:5000 --memory 10g --cpus 2 \
mcr.microsoft.com/azure-cognitive-services/textanalytics/sentiment\
Eula=accept \
Billing={ENDPOINT_URI} \
ApiKey={API_KEY}
```

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

Statements	Yes	No
Going to http://localhost:5000/status will query the Azure endpoint to verify whether the API key used to start the container is valid.	<input type="radio"/>	<input type="radio"/>
The container logging provider will write log data.	<input type="radio"/>	<input type="radio"/>
Going to http://localhost:5000/swagger will provide the details to access the documentation for the available endpoints.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Yes
http://localhost:5000/status : Also requested with GET, this verifies if the api-key used to start the container is valid without causing an endpoint query.
Box 2: Yes
The command saves container and LUIS logs to output mount at C:\output, located on container host
Box 3: Yes
http://localhost:5000/swagger : The container provides a full set of documentation for the endpoints and a Try it out feature. With this feature, you can enter your settings into a web-based HTML form and make the query without having to write any code. After the query returns, an example CURL command is provided to demonstrate the HTTP headers and body format that's required.

NEW QUESTION 72

- (Topic 3)

Your company wants to reduce how long it takes for employees to log receipts in expense reports. All the receipts are in English.

You need to extract top-level information from the receipts, such as the vendor and the transaction total. The solution must minimize development effort.

Which Azure Cognitive Services service should you use?

- A. Custom Vision
- B. Personalizer
- C. Form Recognizer
- D. Computer Vision

Answer: B

Explanation:

Azure Form Recognizer is a cognitive service that lets you build automated data processing software using machine learning technology. Identify and extract text, key/value pairs, selection marks, tables, and structure from your documents—the service outputs structured data that includes the relationships in the original file, bounding boxes, confidence and more.

Form Recognizer is composed of custom document processing models, prebuilt models for invoices, receipts, IDs and business cards, and the layout model.

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/form-recognizer>

NEW QUESTION 74

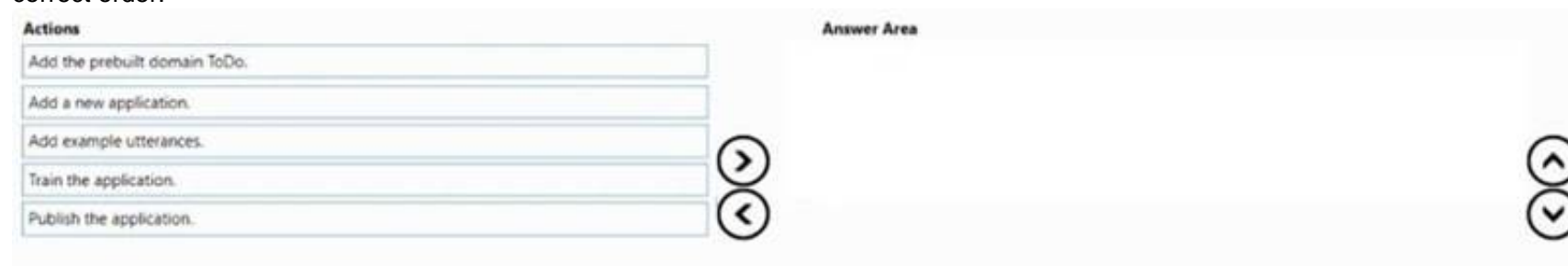
DRAG DROP - (Topic 3)

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.

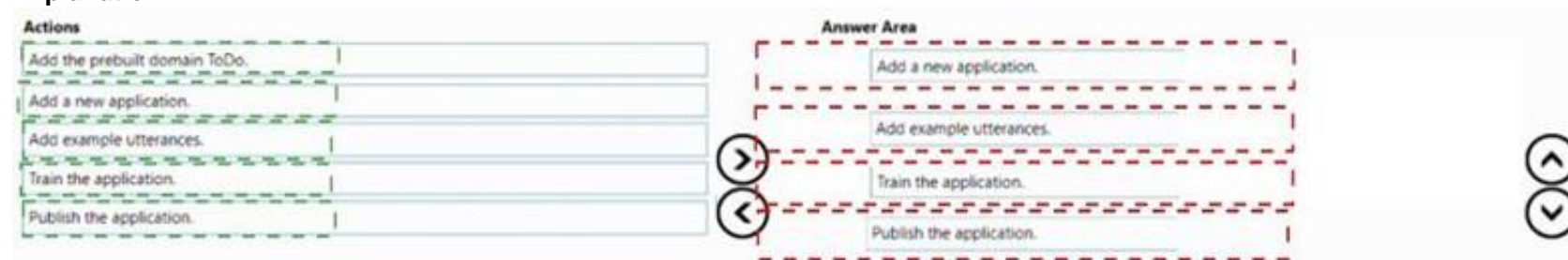


The screenshot shows the 'Actions' list on the left and the 'Answer Area' on the right. The 'Actions' list contains five items: 'Add the prebuilt domain ToDo.', 'Add a new application.', 'Add example utterances.', 'Train the application.', and 'Publish the application.'. The 'Answer Area' is empty. There are navigation arrows between the two areas.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



The screenshot shows the 'Actions' list on the left and the 'Answer Area' on the right. The 'Answer Area' contains four items in the correct sequence: 'Add a new application.', 'Add example utterances.', 'Train the application.', and 'Publish the application.'. The 'Add the prebuilt domain ToDo.' action is not in the answer area. There are navigation arrows between the two areas.

NEW QUESTION 79

- (Topic 3)

You have a text-based chatbot.

You need to enable content moderation by using the Text Moderation API of Content Moderator. Which two service responses should you use? Each correct answer presents part of the solution NOTE: Each correct selection is worth one point.

- A. the adult classification score
- B. optical character recognition (OCR)
- C. personal data
- D. text classification
- E. the racy classification score

Answer: AD

NEW QUESTION 81

HOTSPOT - (Topic 3)

You are building an Azure Cognitive Search custom skill. You have the following custom skill schema definition.

```
{
  "@odata.type": "#Microsoft.Skills.Custom.WebApiSkill",
  "description": "My custom skill description",
  "uri": "https://contoso-webskill.azurewebsites.net/api/process",
  "context": "/document/organizations/*",
  "inputs": [
    {
      "name": "companyName",
      "source": "/document/organizations/*"
    }
  ],
  "outputs": [
    {
      "name": "companyDescription",
    }
  ]
}
```

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

Answer Area

Statements	Yes	No
CompanyDescription is available for indexing.	<input type="radio"/>	<input type="radio"/>
The definition calls a web API as part of the enrichment process.	<input type="radio"/>	<input type="radio"/>
The enrichment step is called only for the first organization under "/document/organizations".	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Yes
Once you have defined a skillset, you must map the output fields of any skill that directly contributes values to a given field in your search index.
Box 2: Yes
The definition is a custom skill that calls a web API as part of the enrichment process.
Box 3: No
For each organization identified by entity recognition, this skill calls a web API to find the description of that organization.

NEW QUESTION 82

- (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 private endpoint to vnet1. Does this meet the goal?

- A. Yes
- B. No

Answer: A

Explanation:

A private endpoint is a network interface that uses a private IP address from your virtual network. This network interface connects you privately and securely to a service powered by Azure Private Link. By enabling a private endpoint, you're bringing the service into your virtual network.
The service could be an Azure service such as:
? Azure Storage
? Azure Cosmos DB
? Azure SQL Database
? Your own service using a Private Link Service.
Reference:
<https://docs.microsoft.com/en-us/azure/private-link/private-endpoint-overview>

NEW QUESTION 84

- (Topic 3)
You are building a chatbot.
You need to configure the chatbot to query a knowledge base. Which dialog class should you use?

- A. AdaptiveDialog
- B. QnAMakerDialog
- C. ComponentDialog
- D. SkillDialog

Answer: B

NEW QUESTION 86

- (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 an Azure Cognitive Search service.

During the past 12 months, query volume steadily increased.

You discover that some search query requests to the Cognitive Search service are being throttled.

You need to reduce the likelihood that search query requests are throttled. Solution: You add indexes.

Does this meet the goal?

- A. Yes
- B. No

Answer: B

Explanation:

Instead, you could migrate to a Cognitive Search service that uses a higher tier.

Note: A simple fix to most throttling issues is to throw more resources at the search service (typically replicas for query-based throttling, or partitions for indexing-based throttling). However, increasing replicas or partitions adds cost, which is why it is important to know the reason why throttling is occurring at all.

Reference:

<https://docs.microsoft.com/en-us/azure/search/search-performance-analysis>

NEW QUESTION 88

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.



- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 91

- (Topic 3)

You have a SQL query that combines customer data and order data. The query includes calculated columns. You need to create a database object that would allow other users to rerun the same SQL query. What should you create?

- A. an Index
- B. a view
- C. a scalar function
- D. a table

Answer: B

NEW QUESTION 95

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.

AskForName > BeginDialog > Text

Show code

BeginDialog
Begin dialog event

Bot Asks (Text)
What is your name?

User Input (Text)
username = Input(Text)

Bot Asks (Number)
Hello \$(user.name), how old are you?

User Input (Number)
user.age = Input(Number)

Prompt for text

Text input

Collection information - Ask for a word or sentence.

[Learn more](#)

Bot Asks

User Input

Other

Property ⓘ

string

username

Output Format ⓘ

string

ex. =toUpper(this.value), \$(toUpper(this.value))

Value ⓘ

expression

fx =coalesce(@user.Name.@personName)

Expected responses (intent:
#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
	user.name 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 user.name and user.age properties.	<input type="radio"/>	<input type="radio"/>
	The chatbot attempts to take the first non-null entity value for userName or personName and assigns the value to user.name.	<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 100

HOTSPOT - (Topic 3)

You have an Azure subscription that contains an Azure AI Document Intelligence resource named DM.
You build an app named App1 that analyzes PDF files for handwritten content by using DM.
You need to ensure that App1 will recognize the handwritten content.
How should you complete the code? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

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Answer Area

```
Uri fileUri = new Uri("<fileUri>");

AnalyzeDocumentOperation operation = await client.AnalyzeDocumentFromUriAsync(WaitUntil.Completed,
AnalyzeResult result = operation.Value;
foreach (DocumentStyle style in result.Styles)
{
    bool isHandwritten = style.IsHandwritten.HasValue && style.IsHandwritten == true;
    if (isHandwritten && style.Confidence > 0.75 )
    {

        Console.WriteLine($"Handwritten content found:");
        foreach (DocumentSpan span in style.Spans)
        {
            Console.WriteLine($"  Content: {result.Content.Substring(span.Index, span.Length)}");
        }
    }
}
```

0.75

0.1

0.75

1.0

"prebuilt-document",

"prebuilt-document",

"prebuilt-contract",

"prebuilt-read",

fileUri);

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

```
Uri fileUri = new Uri("<fileUri>");

AnalyzeDocumentOperation operation = await client.AnalyzeDocumentFromUriAsync(WaitUntil.Completed,
AnalyzeResult result = operation.Value;
foreach (DocumentStyle style in result.Styles)
{
    bool isHandwritten = style.IsHandwritten.HasValue && style.IsHandwritten == true;
    if (isHandwritten && style.Confidence > 0.75 )
    {

        Console.WriteLine($"Handwritten content found:");
        foreach (DocumentSpan span in style.Spans)
        {
            Console.WriteLine($"  Content: {result.Content.Substring(span.Index, span.Length)}");
        }
    }
}
```

0.75

0.1

0.75

1.0

"prebuilt-document",

"prebuilt-document",

"prebuilt-contract",

"prebuilt-read",

fileUri);

NEW QUESTION 102

- (Topic 3)

What is the primary purpose of a data warehouse?

- A. to provide storage for transactional line-of-business (LOB) applications
- B. to provide transformation services between source and target data stores
- C. to provide read only storage of relational and non relational historical data
- D. to provide answers to complex queries that rely on data from multiple sources

Answer: C

NEW QUESTION 105

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 106
HOTSPOT - (Topic 3)
Select the answer that correctly completes the sentence.

Answer Area

When provisioning an Azure Cosmos DB

account

container

database

item

, you need to specify which type of API you will use.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

When provisioning an Azure Cosmos DB

account


container

database

item


, you need to specify which type of API you will use.

NEW QUESTION 111
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 =  (AudioStreamContainerFormat.MP3);

var speechConfig = SpeechConfig.FromSubscription("18c51a87-3a69-47a8-aedc-a54745f708a1", "westus");

var audioConfig = AudioConfig.FromStreamInput(pushStream, audioFormat);

using (var recognizer = new  (speechConfig, audioConfig))

{
    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 112

- (Topic 3)
You have data saved in the following format.

```
FirstName,LastName,Age,LeisureHobby,SportsHobby
John,Smith,23,Reading,Basketball
Ben,Smith,21,Guitar,Curling
```

Which format was used?

- A. CSV
- B. JSON
- C. HTML
- D. YAML

Answer: A

NEW QUESTION 114

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

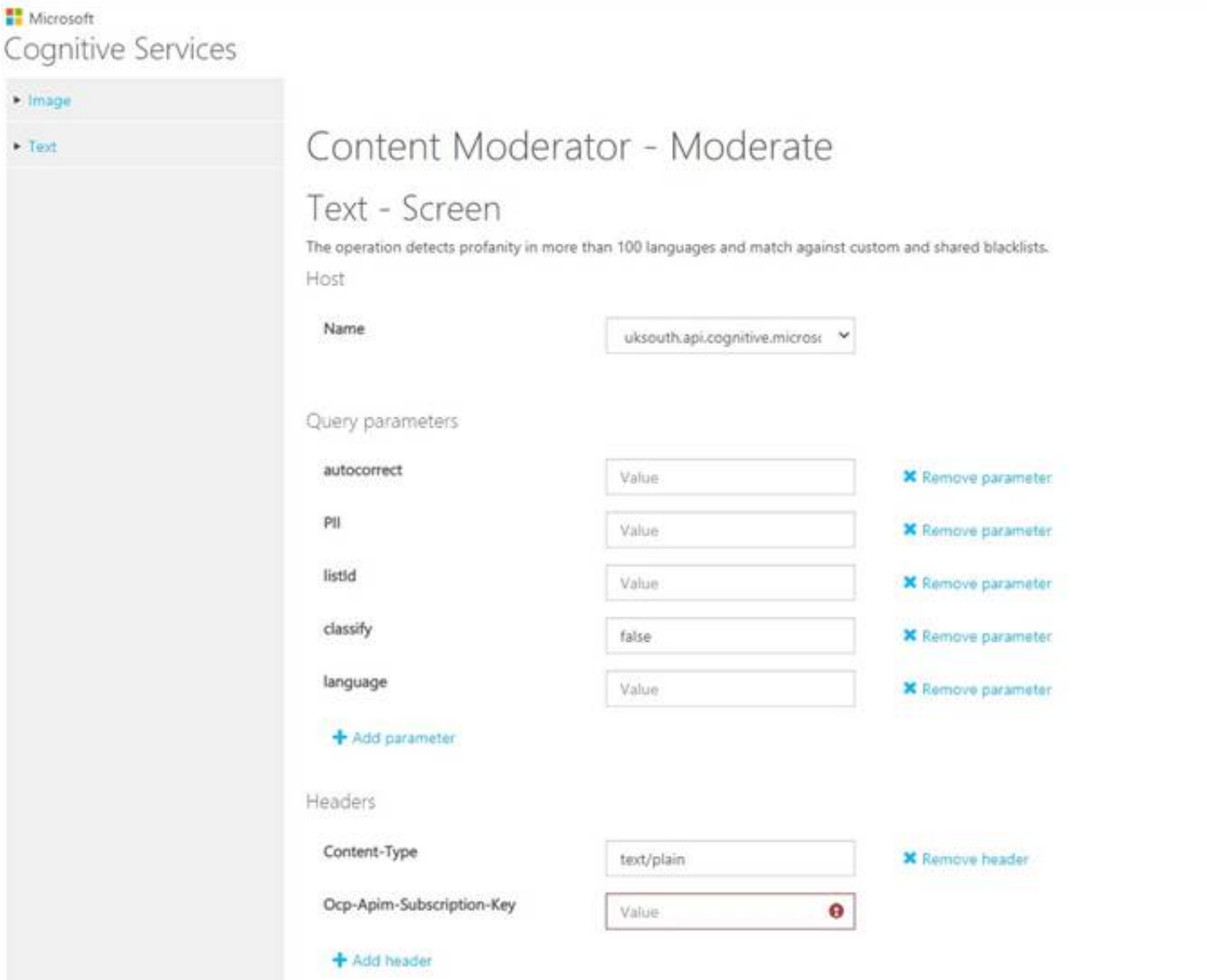
Answer: A

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 119
HOTSPOT - (Topic 3)
You are building a chatbot.
You need to use the Content Moderator API to identify aggressive and sexually explicit language.
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:

Microsoft

Cognitive Services

Image

Text

Content Moderator - Moderate

Text - Screen

The operation detects profanity in more than 100 languages and match against custom and shared blacklists.

Host

Name

uksouth.api.cognitive.microso

Query parameters

autocorrect

Value

Remove parameter

Pii

Value

Remove parameter

listId

Value

Remove parameter

classify

false

Remove parameter

language

Value

Remove parameter

Add parameter

Headers

Content-Type

text/plain

Remove header

Ocp-Apim-Subscription-Key

Value

Add header

NEW QUESTION 124

- (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 129

DRAG DROP - (Topic 3)

You have a question answering project in Azure Cognitive Service for Language.

You need to move the project to a Language service instance in a different Azure region. 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

From the new Language service instance, import the project file.

From the new Language service instance, enable custom text classification.

From the new Language service instance, train and publish the project.

From the original Language service instance, export the existing project.

From the new Language service instance, regenerate the keys.

From the original Language service instance, train and publish the model.

Answer Area

A. Mastered

B. Not Mastered

Answer: A

Explanation:

Actions

From the new Language service instance, import the project file.

From the new Language service instance, enable custom text classification.

From the new Language service instance, train and publish the project.

From the original Language service instance, export the existing project.

From the new Language service instance, regenerate the keys.

From the original Language service instance, train and publish the model.

Answer Area

From the original Language service instance, export the existing project.

From the new Language service instance, regenerate the keys.

From the original Language service instance, train and publish the model.

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NEW QUESTION 132

- (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 m 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 137

- (Topic 3)

Which scenario is an example of a streaming workload?

- A. sending transactions daily from point of sale (POS) devices
B. sending cloud infrastructure metadata every 30 minutes
C. sending transactions that are older than a month to an archive
D. sending telemetry data from edge devices

Answer: D

NEW QUESTION 141

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:	<div><div></div><div>Face</div><div>Speech</div><div>Text Analytics</div></div>
From a learner's facial expression in the video feed, verify whether the learner is paying attention:	<div><div></div><div>Face</div><div>Speech</div><div>Text Analytics</div></div>
From a learner's audio feed, detect whether the learner is talking:	<div><div></div><div>Face</div><div>Speech</div><div>Text Analytics</div></div>

- 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 146

- (Topic 3)
You are examining the Text Analytics output of an application.
The text analyzed is: "Our tour guide took us up the Space Needle during our trip to Seattle last week."
The response contains the data shown in the following table.

Text	Category	ConfidenceScore
Tour guide	PersonType	0.45
Space Needle	Location	0.38
Trip	Event	0.78
Seattle	Location	0.78
Last week	DateTime	0.80

Which Text Analytics API is used to analyze the text?

- A. Sentiment Analysis
- B. Named Entity Recognition
- C. Entity Linking
- D. Key Phrase Extraction

Answer: B

NEW QUESTION 148

HOTSPOT - (Topic 3)
A1 You have an Azure OpenAI resource named AH that hosts three deployments of the GPT 3.5 model. Each deployment is optimized for a unique workload. You plan to deploy three apps. Each app will access AM by using the REST API and will use the deployment that was optimized for the apps intended workload. You need to provide each app with access to AH and the appropriate deployment. The solution must ensure that only the apps can access AM. What should you use to provide access to AM. and what should each app use to connect to its appropriate deployment? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Answer Area

Provide access to AI1 by using:

An API key

An API key

A bearer token

A shared access signature (SAS) token

Connect to the deployment by using:

A deployment endpoint

An API key

A deployment endpoint

A deployment name

A deployment type

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Provide access to AI1 by using:

- An API key
- An API key
- A bearer token
- A shared access signature (SAS) token

Connect to the deployment by using:

- A deployment endpoint
- An API key
- A deployment endpoint
- A deployment name
- A deployment type

NEW QUESTION 150

- (Topic 3)

You have a mobile app that manages printed forms.

You need the app to send images of the forms directly to Forms Recognizer to extract relevant information. For compliance reasons, the image files must not be stored in the cloud.

In which format should you send the images to the Form Recognizer API endpoint?

- A. raw image binary
- B. form URL encoded
- C. JSON

Answer: A

NEW QUESTION 154

- (Topic 3)

You build a chatbot that uses the Azure OpenAI GPT 3.5 model.

You need to improve the quality of the responses from the chatbot. The solution must minimize development effort.

What are two ways to achieve the goal? Each correct answer presents a complete solution. NOTE: Each correct answer is worth one point.

- A. Fine-tune the model.
- B. Provide grounding content.
- C. Add sample request/response pairs.
- D. Retrain the language model by using your own data.
- E. Train a custom large language model (LLM).

Answer: BC

NEW QUESTION 155

- (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 ReadFileUrl(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 156

- (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 (IAM) page for the authoring resources in the Azure portal
- C. the Access control (IAM) 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 159

DRAG DROP - (Topic 3)

You are developing a photo application that will find photos of a person based on a sample image by using the Face API.

You need to create a POST request to find the photos.

How should you complete the 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.

Values

detect
findsimilars
group
identify
matchFace
matchPerson
verify

Answer Area

POST {Endpoint}/face/v1.0/
Request Body

```
{
  "faceId": "c5c24a82-6845-4031-9d5d-978df9175426",
  "largeFaceListId": "sample_list",
  "largeFaceListId": "sample_list",
  "maxNumOfCandidatesReturned": 10,
  "mode": "  "
}
```

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: findsimilars

<https://docs.microsoft.com/en-us/rest/api/faceapi/face/find-similar>

Box 2: matchPerson

Find similar has two working modes, "matchPerson" and "matchFace". "matchPerson" is the default mode that it tries to find faces of the same person as possible by using internal same-person thresholds. It is useful to find a known person's other photos. Note that an empty list will be returned if no faces pass the internal thresholds. "matchFace" mode ignores same-person thresholds and returns ranked similar faces anyway, even the similarity is low. It can be used in the cases like searching celebrity-looking faces.

NEW QUESTION 164

- (Topic 3)

You are building a multilingual chatbot.

You need to send a different answer for positive and negative messages.

Which two Text Analytics APIs should you use? Each correct answer presents part of the solution. (Choose two.)

NOTE: Each correct selection is worth one point.

- A. Linked entities from a well-known knowledge base
- B. Sentiment Analysis
- C. Key Phrases
- D. Detect Language
- E. Named Entity Recognition

Answer: BD

Explanation:

B: The Text Analytics API's Sentiment Analysis feature provides two ways for detecting positive and negative sentiment. If you send a Sentiment Analysis request, the API will return sentiment labels (such as "negative", "neutral" and "positive") and confidence scores at the sentence and document-level.

D: The Language Detection feature of the Azure Text Analytics REST API evaluates text input for each document and returns language identifiers with a score that indicates the strength of the analysis.

This capability is useful for content stores that collect arbitrary text, where language is unknown. Reference:
https://docs.microsoft.com/en-us/azure/cognitive-services/text-analytics/how-to/text-analytics-how-to-sentiment-analysis?tabs=version-3-1
https://docs.microsoft.com/en-us/azure/cognitive-services/text-analytics/how-to/text-analytics-how-to-language-detection

NEW QUESTION 167

HOTSPOT - (Topic 3)

You are building a model that will be used in an iOS app.
You have images of cats and dogs. Each image contains either a cat or a dog.
You need to use the Custom Vision service to detect whether the images is of a cat or a dog.
How should you configure the project in the Custom Vision portal? To answer, select the appropriate options in the answer area.
NOTE: Each correct selection is worth one point.

Project Types:

▼

Classification

Object Detection

Classification Types:

▼

Multiclass (Single tag per image)

Multilabel (Multiple tags per image)

Domains:

▼

Audit

Food

General

General (compact)

Landmarks

Landmarks (compact)

Retail

Retail (compact)

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Classification
Box 2: Multiclass
A multiclass classification project is for classifying images into a set of tags, or target labels. An image can be assigned to one tag only.
Box 3: General
General: Optimized for a broad range of image classification tasks. If none of the other specific domains are appropriate, or if you're unsure of which domain to choose, select one of the General domains.

NEW QUESTION 169

HOTSPOT - (Topic 3)

You are building a solution that students will use to find references for essays. You use the following code to start building the solution.

```
using Azure;
using System;
using Azure.AI.TextAnalytics;

private static readonly AzureKeyCredential credentials = new AzureKeyCredential("<key>");
private static readonly Uri endpoint = new Uri("<endpoint>");

static void EntityLinker(TextAnalyticsClient client)
{
    var response = client.RecognizeLinkedEntities(
        "Our tour guide took us up the Space Needle during our trip to Seattle last week.");
}
```

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 detect the language of documents.	<input type="radio"/>	<input type="radio"/>
The url attribute returned for each linked entity will be a Bing search link.	<input type="radio"/>	<input type="radio"/>
The matches attribute returned for each linked entity will provide the location in a document where the entity is referenced.	<input type="radio"/>	<input type="radio"/>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

Statements	Yes	No
The code will detect the language of documents.	<input type="radio"/>	<input checked="" type="radio"/>
The ur1 attribute returned for each linked entity will be a Bing search link.	<input checked="" type="radio"/>	<input type="radio"/>
The matches attribute returned for each linked entity will provide the location in a document where the entity is referenced.	<input checked="" type="radio"/>	<input type="radio"/>

NEW QUESTION 171

HOTSPOT - (Topic 3)

Select the answer that correctly completes the sentence.

Answer Area

A data analyst
A data engineer
A data scientist

is responsible for identifying which business rules must be applied to the data of a company.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

A data analyst
A data engineer
A data scientist

is responsible for identifying which business rules must be applied to the data of a company.

NEW QUESTION 175

HOTSPOT - (Topic 3)

Select the answer that correctly completes the sentence.

Answer Area

A relational database is appropriate for scenarios that involve a high volume of

changes to relationships between entities.
geographically distributed writes.
transactional writes.
writes that have varying data structures.

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Answer Area

A relational database is appropriate for scenarios that involve a high volume of

changes to relationships between entities.
geographically distributed writes.
transactional writes.
writes that have varying data structures.

NEW QUESTION 177

- (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 182

- (Topic 3)

You build a custom Form Recognizer model.

You receive sample files to use for training the model as shown in the following table.

Name	Type	Size
File1	PDF	20 MB
File2	MP4	100 MB
File3	JPG	20 MB
File4	PDF	100 MB
File5	GIF	1 MB
File6	JPG	40 MB

Which three files can you use to train the model? Each correct answer presents a complete solution. (Choose three.)

NOTE: Each correct selection is worth one point.

- A. File1
- B. File2
- C. File3
- D. File4
- E. File5
- F. File6

Answer: ACF

Explanation:

Input requirements

Form Recognizer works on input documents that meet these requirements:

Format must be JPG, PNG, PDF (text or scanned), or TIFF. Text-embedded PDFs are best because there's no possibility of error in character extraction and location.

File size must be less than 50 MB.

Reference:

<https://docs.microsoft.com/en-us/azure/cognitive-services/form-recognizer/overview>

NEW QUESTION 183

- (Topic 3)

You have an Azure Cognitive Services model named Model that identifies the intent of text input.

You develop an app in C# named App1. You need to configure App1 to use Model1. Which package should you add to App1?

- A. Azure.AI.Language.Conversations
- B. SpeechServicesToolkit
- C. Universal.Microsoft.CognitiveServices.Speech
- D. Xamarin.Cognitive.Speech

Answer: C

NEW QUESTION 185

- (Topic 3)

You have an Azure Cognitive Search instance that indexes purchase orders by using Form Recognizer

You need to analyze the extracted information by using Microsoft Power BI. The solution must minimize development effort.

What should you add to the indexer?

- A. a table projection
- B. a projection group
- C. an object projection
- D. a file projection

Answer: C

NEW QUESTION 187

DRAG DROP - (Topic 3)

You train a Custom Vision model used in a mobile app.

You receive 1,000 new images that do not have any associated data.

You need to use the images to retrain the model. The solution must minimize how long it takes to retrain the model.

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

Actions

Upload the images by category.

Get suggested tags.

Upload all the images.

Group the images locally into category folders.

Review the suggestions and confirm the tags.

Tag the images manually.

Answer Area

⏪

⏩

⏴

⏵

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:
1) upload all the images 2.) Get suggested tags 3.) Review the suggestions and confirm the tags

NEW QUESTION 192

- (Topic 3)
You are building a chatbot by using the Microsoft Bot Framework Composer as shown in the exhibit. (Click the Exhibit tab.)

GetUserDetails > BeginDialog > Text

Show code

BeginDialog

Begin dialog event

Bot Asks (Text)

What is your name?

User input (Text)

(SCOPE).name = Input(Text)

Prompt for text

Text Input

Collection information - Ask for a word or sentence.

Learn more

Bot response

User input

Other

Property ⓘ

string

(SCOPE).name

Output format ⓘ

string

Value ⓘ

string

Expected responses (intent :

#TextInput_Response_FuyyF4)

The chatbot contains a dialog named GetUserDetails. GetUserDetails contains a TextInput control that prompts users for their name. The user input will be stored in a property named name. You need to ensure that you can dispose of the property when the last active dialog ends. Which scope should you assign to name?

- A. dialog
- B. user
- C. curn
- D. conversation

Answer: A

Explanation:
The dialog scope associates properties with the active dialog. Properties in the dialog scope are retained until the dialog ends.
Reference:
<https://docs.microsoft.com/en-us/composer/concept-memory?tabs=v2x>

NEW QUESTION 197

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 200

- (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 204

- (Topic 2)

You are developing the document processing workflow.

You need to identify which API endpoints to use to extract text from the financial documents. The solution must meet the document processing requirements.

Which two API endpoints should you identify? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. /vision/v3.2/read/analyzeResults
- B. /formrecognizer/v2.0/prebuilt/receipt/analyze
- C. /vision/v3.2/read/analyze
- D. /vision/v3.2/describe
- E. /formercognizer/v2.0/custom/models{modelId}/ analyze

Answer: BC

Explanation:

C: Analyze Receipt - Get Analyze Receipt Result.

Query the status and retrieve the result of an Analyze Receipt operation. Request URL: <https://{endpoint}/formrecognizer/v2.0-preview/prebuilt/receipt/analyzeResults/{resultId}>

E: POST {Endpoint}/vision/v3.2/read/analyze

Use this interface to get the result of a Read operation, employing the state-of-the-art Optical Character Recognition (OCR) algorithms optimized for text-heavy documents.

Scenario: Contoso plans to develop a document processing workflow to extract information automatically from PDFs and images of financial documents

? The document processing solution must be able to process standardized financial

documents that have the following characteristics:

- Contain fewer than 20 pages.
- Be formatted as PDF or JPEG files.
- Have a distinct standard for each office.

? *The document processing solution must be able to extract tables and text from the financial documents.

? The document processing solution must be able to extract information from receipt images.

Reference:

<https://westus2.dev.cognitive.microsoft.com/docs/services/form-recognizer-api-v2-preview/operations/GetAnalyzeReceiptResult>

<https://docs.microsoft.com/en-us/rest/api/computervision/3.1/read/read>

NEW QUESTION 208

HOTSPOT - (Topic 2)

You build a QnA Maker resource to meet the chatbot requirements.

Which RBAC role should you assign to each group? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

Management-Accountants	<div>▼</div> <div>Owner Contributor Cognitive Services User Cognitive Services QnA Maker Read Cognitive Services QnA Maker Editor</div>
Consultant-Accountants	<div>▼</div> <div>Owner Contributor Cognitive Services User Cognitive Services QnA Maker Read Cognitive Services QnA Maker Editor</div>
Agent-CustomerServices	<div>▼</div> <div>Owner Contributor Cognitive Services User Cognitive Services QnA Maker Read Cognitive Services QnA Maker Editor</div>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Cognitive Service User

Ensure that the members of a group named Management-Accountants can approve the FAQs.

Approve=publish.

Cognitive Service User (read/write/publish): API permissions: All access to Cognitive Services resource except for ability to:

- * 1. Add new members to roles.
- * 2. Create new resources.

Box 2: Cognitive Services QnA Maker Editor

Ensure that the members of a group named Consultant-Accountants can create and amend the FAQs.

QnA Maker Editor: API permissions:

- * 1. Create KB API
- * 2. Update KB API
- * 3. Replace KB API

- * 4. Replace Alterations
 - * 5. "Train API" [in new service model v5]
- Box 3: Cognitive Services QnA Maker Read
- Ensure that the members of a group named the Agent-CustomerServices can browse the FAQs.
- QnA Maker Read: API Permissions:
- * 1. Download KB API
 - * 2. List KBs for user API
 - * 3. Get Knowledge base details
 - * 4. Download Alterations Generate Answer

NEW QUESTION 213

- (Topic 2)

You are developing the knowledgebase by using Azure Cognitive Search.

You need to meet the knowledgebase requirements for searching equivalent terms. What should you include in the solution?

- A. a synonym map
- B. a suggester
- C. a custom analyzer
- D. a built-in key phrase extraction skill

Answer: A

Explanation:

Within a search service, synonym maps are a global resource that associate equivalent terms, expanding the scope of a query without the user having to actually provide the term. For example, assuming "dog", "canine", and "puppy" are mapped synonyms, a query on "canine" will match on a document containing "dog".

Create synonyms: A synonym map is an asset that can be created once and used by many indexes.

Reference:

<https://docs.microsoft.com/en-us/azure/search/search-synonyms>

NEW QUESTION 214

HOTSPOT - (Topic 1)

You are developing the shopping on-the-go project.

You are configuring access to the QnA Maker resources.

Which role should you assign to AllUsers and LeadershipTeam? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Answer Area

AllUsers:	<div><div></div><div>Cognitive Service User</div><div>Contributor</div><div>Owner</div><div>QnA Maker Editor</div><div>QnA Maker Read</div></div>
LeadershipTeam:	<div><div></div><div>Cognitive Service User</div><div>Contributor</div><div>Owner</div><div>QnA Maker Editor</div><div>QnA Maker Read</div></div>

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: QnA Maker Editor

Scenario: Provide all employees with the ability to edit Q&As.

The QnA Maker Editor (read/write) has the following permissions: Create KB API

Update KB API Replace KB API Replace Alterations "Train API" [in

new service model v5]

Box 2: Contributor

Scenario: Only senior managers must be able to publish updates. Contributor permission: All except ability to add new members to roles

NEW QUESTION 217

DRAG DROP - (Topic 1)

You are developing the smart e-commerce project.

You need to design the skillset to include the contents of PDFs in searches.

How should you complete the skillset design diagram? To answer, drag the appropriate services to the correct stages. Each service 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.

Services

Azure Blob storage

Custom Vision API

Azure Files

Language Understanding API

Translator API

Computer Vision API

Azure Cosmos DB

Answer Area

Source

Cracking

Preparation

Destination

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Box 1: Azure Blob storage
At the start of the pipeline, you have unstructured text or non-text content (such as images, scanned documents, or JPEG files). Data must exist in an Azure data storage service that can be accessed by an indexer.

Box 2: Computer Vision API
Scenario: Provide users with the ability to search insight gained from the images, manuals, and videos associated with the products.
The Computer Vision Read API is Azure's latest OCR technology (learn what's new) that extracts printed text (in several languages), handwritten text (English only), digits, and currency symbols from images and multi-page PDF documents.

Box 3: Translator API
Scenario: Product descriptions, transcripts, and all text must be available in English, Spanish, and Portuguese.

Box 4: Azure Files
Scenario: Store all raw insight data that was generated, so the data can be processed later.

NEW QUESTION 222

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