OutSystems

Exam Questions Architecture-Specialist-11

Architecture Specialist (OutSystems 11) Exam

NEW QUESTION 1
Adopting a naming convention can have some benefits. Of the sentences below, which one is NOT a benefit of adopting a naming convention?

A. Enforce the reference architecture.
B. Avoid error codes.
C. Normalize patterns.
D. Reveal the nature of each Module.

Answer: B

NEW QUESTION 2
What is a best practice for Mobile Application Architecture: Local Storage?

A. Do not use local storage(mobile device), instead try to use central storage(server side)
B. Map server side static entities into local entities
C. Have a local storage inside the CS Module instead of M_CS Module
D. Use a centralized local storage for all mobile applications to ensure maintainability

Answer: B

NEW QUESTION 3
In which Architecture Canvas layer do you expect to have a higher reusability rate?

A. End-User layer
B. Core layer
C. Foundation layer

Answer: C

NEW QUESTION 4
Which of the following Data elements can we find in a Foundation layer Module?

A. CRUD actions for Entities
B. Core Entities (exposed as read-only)
C. Non-core Entities
D. Entities to save UI states

Answer: C

NEW QUESTION 5
Which of the following Data elements can we find in a End-User layer Module?

A. Non-core Entities
B. Entities to save UI states
C. Core Entities (exposed as read-only)
D. CRUD actions for Entities

Answer: B

NEW QUESTION 6
Which of the below are FALSE about UI framework?

A. Patterns - are blocks that provide common and reusable U
B. Chat message, date picker and carousel are a few example
C. Contains reusable UI components.
D. All of the above are true
E. Theme - for the look and feel of your applications, which includes screen layouts, global stylesheet and grid definition
F. Contains CSS styles and classes.
G. Templates - Defines the structure of the application module
H. Templates contains screen p definitions and basic set of functionalities, including authenticatio
I. Contains common layouts, menu, login and reference to the theme .

Answer: B

NEW QUESTION 7
Which of the below best matches this statement : "Needed if data is coming from MULTIPLE external systems. IS will decide which driver to use depending on the data."

A. Transparency Service Pattern 1 way (simplification)
B. Library : Extension Pattern
C. ECS with isolated synchronization logic
D. ECS Lazy Load variation
E. ECS with publish/subscribe through an ESB
F. ECS Summary cache only variation
G. Library : Connector Pattern

H. ECS with direct integration
I. Base ECS pattern
J. Transparency Service Pattern

Answer: J

NEW QUESTION 8
Which of the below is NOT part of the three step process of Architecture Design Process?

A. Assemble
B. Shape
C. Disclose
D. Organize

Answer: B

NEW QUESTION 9
Which of the below are not recommendations for Architecture Validations

A. All public entities in Core Modules should be set to Read-only
B. No business logic in the Foundational Modules
C. No core entities in Foundational Modules
D. No screens in the End User Layer
E. No front-end screens in Core Modules

Answer: D

NEW QUESTION 10
_Lib module is for

A. have several integration services with different systems, performing the same type of O operation (e.
B. printers) you can create several drivers exposing the same API, with specialized implementations (like the transparency services pattern).
C. Technical wrapper to consume and normalize an external service
D. Reusable Core Services with public entities, actions, and blocks.
E. Theme, look & feel elements, menu, etc.
F. Generic Library module
G. Reusable UI Patterns for layout and display only - no Business logic.

Answer: E

NEW QUESTION 10
Which of the below is not part of the Architecture Validation

A. No Downward References To Foundation Modules
B. No Side References Between End-User Modules
C. No Circular References
D. No Upward References

Answer: A

NEW QUESTION 11
Of the options below, which one is a benefit of adopting the Architecture Canvas?

A. It's an automatic way to find and fix architecture issues.
B. It's a systematic approach to architecture design
C. It promotes the business users' collaboration and understanding
D. It's a faster architecture design

Answer: B

NEW QUESTION 15
SSL Pinning is a security best practice for mobile application. Which of the below is FALSE about SSL Pinning?

A. All of the above are true
B. SSL Pinning or HTTP Public Key Pinning (HPKP) helps reduce man-in-the-middle attacks
C. SSL Pinning does not mean hardcoding the public key into the code.
D. Works on the client side and adds verification of the server certificate against hashes of public keys, which are pre-bundled with the mobile app

Answer: C

NEW QUESTION 18
Which of the following is an Assembling principle?

A. Keep concepts with different lifecycles apart.
B. Join all integrations into a single Module.

C. Disclose business concepts and integration needs.
D. Isolate all business concepts.

Answer: A

NEW QUESTION 19
What is the common naming convention for a mobile version of a CS module?

A. M_CS
B. _CS
C. mobile_CS
D. m_cs
E. m_CS

Answer: E

NEW QUESTION 22
Considering Architecture Dashboard(AI Mentor), which of the following sentences is FALSE?

A. Architecture Dashboard allows you to automatically apply a solution to solve a found code pattern.
B. Architecture Dashboard performs a code analysis that uncovers patterns related to performance, security, architecture and maintainability.

Answer: A

NEW QUESTION 25
In the Architecture Canvas, where should the API module sit in?

A. Core Layer
B. End-User Layer
C. Foundation Layer

Answer: A

NEW QUESTION 27
Which of the below is NOT a reason for Validating a Modules' Architecture?

A. Optimizes lifecycle independence
B. Promotes microservices
C. Minimizes impact of changes
D. Promotes abstraction of reusable services
E. Stop unmanageable dependencies
F. Prevent slow deployments, inflexible legacy systems
G. Avoid poor service abstraction

Answer: B

NEW QUESTION 31
Which of the below is NOT a Synchronization Best Practice for mobile application?

A. Sync only when require
B. p At session start: sync summary data to local storage At process start: sync process detail to local storage At process/transaction end, sync back to server
C. Only synchronize delta : Use control timestamps C Avoid long synchronization in a single transaction
D. Sync only when strictly requiredE Don't sync on every screen or online event
E. Only synchronize relevant data
F. Do not use Entity Bulk Operation to ensure small lightweight updates
G. Ensure sync granularity: Prepare for constant retries without repeating work due to network los
H. Sync in chunks, incremental by entity

Answer: D

NEW QUESTION 35
"Spaghetti Architecture" is also known as 'tightly coupled architecture' or 'brittle architecture'. Which is NOT a reason why is "Spaghetti Architecture" bad?

A. One small change in a component cause a series of cascading effects on other components
B. Hinder future changes as they become less flexible and difficult to manage
C. Any changes is maintainable and easy to deploy

Answer: C

NEW QUESTION 36
CS modules is for

A. Isolated Business Logic (Actions) or Core Widgets (blocks), to manage complexity, composition or to have its own lifecycle.
B. Logic to Synchronize data in CS's with an external syste
C. Isolating this logic makes the CS completely system agnostic and it's easier to decouple or replace the external system.

D. Technical wrapper to expose an API to External consumers, keeping core services system agnostic and supporting multiple versions of the API.
E. A BL becomes a Calculation Engine if it performs complex calculations, (e.
F. an invoice calculation engine or an insurance simulator). Engines are usually subject to versions.
G. Reusable Core Services with public entities, actions, and blocks.

Answer: E

NEW QUESTION 39
Which of the below matches the most to Core Module Pattern - ECS with Local Replica Pattern...

A. ... Entity is not in Outsystems but in an external ERP syste
B. IS just makes remote call to p external system/databas
C. No data is being kept inside O
D. Data retrieval may not be optimized as it needs to traverse two different systems to get the information bac
E. Con: Integration API must support all use cases
F. ... is a pattern with two modules, a connector module that can be used to encapsulate an O external API with the input/output structures and a wrapper module to expose the normalized API to the consumers.p Same as ECS with local replica but synchronization logic is separate
G. Pro: Code independenc
H. Consumers of CS is not affected by Syn
I. Sync can orchestrate several CS
J. ... a wrapper used to contain the logic, actions and data that will expose code that is inside of external library or to inspect external database and import the data structures so they can be used as entities inside of OS
K. ... caches only summary data that is frequently lister, joined or searche
L. Full detail for a single entry is fetched directly from external syste
M. Use when whole database too big or costly to synchroniz
N. Details are only required for single entities (not lists)
O. ... Entity is exposed as read-only and API is available to centralize business logic for entity creation/updateF Same as Base ECS pattern, but have a local replic
P. Store data to serve as a local cach
Q. Pro: Leverage Entity Use, Simpler Integration AP
R. Con: Less impact on source systemG ... tries to fetch data from local cache entity, if not there, get single entry from the external syste
S. Cache only that record (read-through caching) Use when whole database too big or costly to synchroniz
T. Integration only touches a small portion of the databas
. Avoid if access to lists of data is needed up front
. ... is needed if data is coming from MULTIPLE external system
. IS will decide which driver to use depending on the data.
. Same as ECS with local replica but API module is provide
. So any changes to the external system can notify OS, which OS then gets update from the ERP system (subscription system)

Answer: G

NEW QUESTION 43
The Architecture Canvas is a multi-layer framework. Which of the following is NOT a benefit of this framework?

A. It optimizes lifecycle independence.
B. It identifies possible performance bottlenecks.
C. It minimizes the impact of changes.
D. It promotes a correct abstraction of reusable services.

Answer: B

NEW QUESTION 46
_IS module is for

A. Generic Library module.
B. several integration services with different systems, performing the same type of operation(e.
C. printers) you can create several drivers exposing the same API, with specialized implementations (like the transparency services pattern).
D. Reusable UI Patterns for layout and display only - no Business logic.
E. Theme, look & feel elements, menu, etc.
F. technical wrapper to consume and normalize an external service.

Answer: E

NEW QUESTION 50
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