



OutSystems

Exam Questions Architecture-Specialist-11

Architecture Specialist (OutSystems 11) Exam

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NEW QUESTION 1

"Splitting UI elements per functionality" is a best practice to avoid monolithic mobile UI modules? Which of the below is not a best practice?

- A. Screens as layouts that have placeholders and load content from block
- B. The blocks come from CW modules.
- C. Include the Common flow and Menu artifacts
- D. Put CSS in blocks or screen
- E. Allows better performance and seamless screen transitions
- F. Blocks grouped in functional modules with independent life cycles
- G. CSS should only be placed in the mobile theme module

Answer: C

NEW QUESTION 2

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 3

What is NOT a best practice for Mobile Application Architecture: transactions & granularity?

- A. Have long synchronizations in a single transactio
- B. Better UX as app does not need to sync all the tim
- C. Is prepared for constant offline or device standby
- D. Ensure order and sync granularit
- E. Sync incrementally by entity with partial commi
- F. This way O synchronizations is prepared for constant interruptions and allow retries without repeating the entire synchronization from the start.

Answer: A

NEW QUESTION 4

OAPI is different compared to API. What is inside an OAPI?

- A. Service Action
- B. REST API

Answer: A

NEW QUESTION 5

Which of the below matches the most to Core Module Pattern - ECS with Publish/Subscribe through ESB...

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

Answer: C

NEW QUESTION 6

In OutSystems, a Core Application can contain ...

- A. End-User, Core, and Foundation Modules.
- B. Foundation and Core Modules
- C. Only Foundation Modules.
- D. End-User and Core Modules.

Answer: B

NEW QUESTION 7

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 8

Which of the below is NOT a suitable advice for designing a LIGHTWEIGHT mobile local storage?

- A. Denormalize the local storage
- B. Define only used attributes
- C. Group relevant information
- D. Store all records no matter if relevant or irrelevant

Answer: D

NEW QUESTION 9

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 10

The Architecture Canvas is a ...

- A. framework to support Architecture Conventions for Modules in Outsystems
- B. framework to support application architecture design in Outsystems
- C. framework to support Architecture Design Process in Outsystems

Answer: B

NEW QUESTION 10

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 13

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 15

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 18

In OutSystems, an application with Foundation, Core, and End-User Modules is a

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

Answer: A

NEW QUESTION 22

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 25

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 29

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 32

Consider the common style guide scenarios presented in this course. Which of the following statements is true?

- A. The "specialize a built-in Style Guide" scenario should be used when the changes to the base theme are not extensive.
- B. The "clone a built-in Style Guide" should be used when you want to extend an existing theme.
- C. Build-your-own Style Guide should be used when the changes in the theme are not extensive.

Answer: A

NEW QUESTION 35

Which of the following recommendations should be applied to the Core layer?

- A. Core modules should have Front-end Screens for testing purposes.
- B. Core modules should not have Core Entities.
- C. Core modules should have public Read-only Entities.
- D. Core modules should not have business logic.

Answer: C

NEW QUESTION 38

Which of the following is NOT a benefit of having well-defined application architecture?

- A. Poor service abstraction
- B. Reduces costs
- C. Reduces risk
- D. Supports planning

Answer: A

NEW QUESTION 41

Themes and Layouts are an important element of an application. In which of the following would you define these elements?

- A. MyApp_CS Module, in the Foundation layer
- B. MyApp_BL, in the Foundation Layer.
- C. MyApp_Th Module, in the End-User layer
- D. MyApp_MTh, in the Foundation layer.

Answer: C

NEW QUESTION 46

Which of the below matches the most to Core Module Pattern - ECS with Isolated Synchronization Logic Pattern...

- A. Same as ECS with local replica but synchronization logic is separate
- B. Pro: Code ^ independenc
- C. Consumers of CS is not affected by Syn
- D. Sync can orchestrate several CS
- E. ... Entity is exposed as read-only and API is available to centralize business logic for entity creation/update
- F. ... a wrapper used to contain the logic, actions and data that will expose code that is inside of O external library or to inspect external database and import the data structures so they can be used as entities inside of OS
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Answer: A

NEW QUESTION 51

_CW module is for

- A. Logic to Synchronize data in CS's with an external syste
- B. Isolating this logic makes the CS completely system agnostic and it's easier to decouple or replace the external system.
- C. A BL becomes a Calculation Engine if it performs complex calculations, (e.
- D. an invoice calculation engine or an insurance simulator). Engines are usually subject to versions.
- E. Technical wrapper to expose an API to External consumers, keeping core services system agnostic and supporting multiple versions of the API.
- F. Core Widgets (blocks), to manage complexity, composition or to have its own lifecycle.
- G. Reusable Core Services with public entities, actions, and blocks.

Answer: D

NEW QUESTION 54

Which of the below matches the most to Library Module Pattern - Extension Pattern...

- A. ... is a pattern with two modules, a connector module that can be used to encapsulate an external API with the input/output structures and a wrapper module to expose the normalized API to the consumers.
- B. Same as ECS with local replica but API module is provide
- C. So any changes to the external system can notify OS, which OS then gets update from the ERP system (subscription system)
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- . Pro: Leverage Entity Use, Simpler Integration API
- . Con: Less impact on source system

Answer: I

NEW QUESTION 55

Concepts are assembled into Modules in the Assembly are not principles in the Assembly step.

- A. Don't join concepts with different lifecycles
- B. Apply known design patterns
- C. N/A
- D. Join conceptually-related concepts
- E. Isolate reusable logic from Integration logic

Answer: C

NEW QUESTION 60

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