



OutSystems

Exam Questions Architecture-Specialist-11

Architecture Specialist (OutSystems 11) Exam

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NEW QUESTION 1

Architecture Canvas has 3 layers. Which is not part of the 3 layer framework?

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

Answer: B

NEW QUESTION 2

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

- A. Service Action
- B. REST API

Answer: A

NEW QUESTION 3

Which of the below matches the most to Core Module Pattern - Base ECS Pattern...

- A. ... 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
- B. ... caches only summary data that is frequently listed, joined or searched
- C. Full detail for a single entry is fetched directly from external system
- D. Use when whole database too big or costly to synchronize
- E. Details are only required for single entities (not lists)
- F. Same as ECS with local replica but synchronization logic is separate
- G. Pro: Code independence
- H. Consumers of CS is not affected by Sync
- I. Sync can orchestrate several CS
- J. ... 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.
- K. ... is needed if data is coming from MULTIPLE external system
- L. IS will decide which driver to use depending on the data.
- M. Same as ECS with local replica but API module is provided
- N. So any changes to the external system can notify OS, which OS then gets update from the ERP system (subscription system)
- O. Same as Base ECS pattern, but have a local replica
- P. Store data to serve as a local cache
- Q. Pro: Leverage Entity Use, Simpler Integration API
- R. Con: Less impact on source system
- S. ... Entity is not in OutSystems but in an external ERP system
- T. IS just makes remote call to external system/databases
- . No data is being kept inside OS
- . Data retrieval may not be optimized as it needs to traverse two different systems to get the information back
- . Con: Integration API must support all use cases
- tries to fetch data from local cache entity, if not there, get single entry from the external system
- . Cache only that record (read-through caching) Use when whole database too big or costly to synchronize
- . Integration only touches a small portion of the databases
- . Avoid if access to lists of data is needed up front
- Entity is exposed as read-only and API is available to centralize business logic for entity creation/update

Answer: D

NEW QUESTION 4

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 5

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 6

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 7

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 8

Consider the following Module names and the suggested naming conventions for Modules. Which of these is a mobile Module?

- A. Customer_CW
- B. Mobile_API
- C. Service_CS
- D. Pricing_MBL

Answer: D

NEW QUESTION 9

_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

In which of the following scenarios should you choose to clone a built-in Style Guide?

- A. When minor customizations to the base theme should be done inside the app theme.
- B. It is not possible to customize a built-in Style Guide, since it is part of OutSystems UI.
- C. When you want to introduce extensive changes to an existing theme.
- D. When it is not possible to benefit from any existing theme and extensive changes are needed.

Answer: C

NEW QUESTION 10

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 13

In OutSystems, a Foundation Application can NOT contain ...

- A. Core Modules and Foundation Modules.
- B. End-User and Foundation Modules.
- C. End-user and Core Modules.

Answer: C

NEW QUESTION 15

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 18

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 23

Which of the below matches the most to Core Module Pattern - ECS Summary Cache only variation

- A. Same as Base ECS pattern, but have a local replic
- B. Store data to serve as a local cach
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- 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 thenormalized API to the consumers.

Answer: B

NEW QUESTION 25

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 29

What is done in the Organize part of the Architecture Design Process?

- A. Concepts are disclosed to the Architecture team
- B. Concepts are assembled into Modules
- C. Concepts are added to the layers of the Architecture Canvas

Answer: C

NEW QUESTION 31

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 33

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 36

"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 37

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 39

What is NOT a best practice for Mobile Application Architecture: Local Storage?

- A. Adopt the correct sync frequency: Either at process start and online or at process/transaction end and online
- B. Sync on every screen or online event
- C. Sync data required per use case: Sync summary data on Session star
- D. On dataselection, sync p its details.Example: if you are accessing Purchasing data, sync the summary data on Session star
- E. On selecting the Purchasing item, sync the details of the Purchasing item such as photos or price, a

Answer: B

NEW QUESTION 43

Which of the following is a benefit of having good architecture?

- A. Poor service abstraction
- B. Unmanageable dependencies
- C. Manages complexity
- D. Slow-moving legacy systems

Answer: C

NEW QUESTION 46

_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 50

ISO/IEC 9126:1991 included several different dimensions. Which is NOT part of ISO/IEC 9126:1991?

- A. Usability : Usability from the point of view of the users
- B. Efficiency : Efficiency which relates to the performance to the amount of resources used
- C. Portability : Portability which defines the ability to move software between environments

- D. Security : Security which relates to the strength of the of the software against cybersecurity attacks
- E. Reliability : Reliability which ensures that a software solution can maintain it performance over a period of time
- F. Maintainability : Maintainability which relates to the effort needed to make modifications
- G. Functionality : Functionality as a set of functions that satisfy needs

Answer: D

NEW QUESTION 55

Which of the below is NOT a weak dependency as of OS11?

- A. Screens
- B. Static Entities
- C. Server Actions
- D. Database Entities
- E. Service Actions
- F. Local Storage Entities
- G. Structures

Answer: C

NEW QUESTION 58

Regarding Validation Rules for application composition, which of the following sentences is correct?

- A. Common modules and services should be isolated in a separate app that can be referenced by other apps.
- B. Owners of the Application should not be mixed, but mixing Sponsors has no direct impact on the release.
- C. If you follow all the rules for validating modules, your application composition will be sound, and easy to maintain and deploy.
- D. Applications in the Foundation layer can reference Applications in the End-user layer.

Answer: A

NEW QUESTION 59

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