Pegasystems
PEGACPLSA23V1
Certified Pega Lead System Architecture (LSA) Exam 23

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Product Version

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Question: 1

[Performance Optimization]
Data pages offer a "Do not reload when" option for optimizing data retrieval. Which two of the following scenarios make appropriate use of this feature? (Choose Two)

A. A data page tracks real-time seat availability for a theater. Because seat bookings stop once the show starts, set it to not reload after the show begins until it ends.
B. A data page maintains reservation details for a hotel. To optimize performance, set it to not reload after check-in time ends, because no new reservations are taken overnight unless you have approval from the manager of the hotel.
C. A data page pulls live traffic updates for a delivery service's routing system. Because traffic patterns stabilize late at night, set it to not reload from late evening until early morning.
D. A data page holds the daily menu for a cafeteria that doesn't change the menu once the kitchen opens. To avoid unnecessary updates, set it to not reload after the kitchen begins its operations until the next day.

Answer: A,D

Question: 2

[Data Modeling]
In a flight schedule management application, the initiation of a scheduled flight case triggers both preflight check and flight catering service processes. These processes require access to flight information, such as flight number, cabin class, number of seats, departure date and time, while also maintaining process-specific data elements. Which one of the following options best describes the optimal data model for meeting this requirement?

A. Set Schedule Flight as the parent case type, with the triggered processes as child case types. Store flight data within the Schedule Flight case. This data will then bepropagated to the child cases upon their creation.
B. Set Schedule Flight as the parent case type, with the triggered processes as child case types. Place flight data in the travel management enterprise layer and create data classes specific to each child case type, inheriting directly from the travel management enterprise layer.
C. Set Schedule Flight as the parent case type, with the triggered processes as child case types. Place flight data within the Schedule Flight class and develop data classes specific to each child case type.
D. Set Schedule Flight as the parent case type, with the triggered processes as child case types. Place flight data within the work pool class, allowing all three case types to inherit properties from the work pool class.

Answer: A

Question: 3

[Data Modeling]
You are a Pega developer working on an insurance application. The application needs to manage different types of insurance policies such as car insurance, home insurance, and life insurance. Each type of insurance policy has some common attributes (policy number, policyholder name, and premium amount), but also has some unique attributes (such as vehicle details for car insurance, property details for home insurance, and beneficiary details for life insurance). Which one of the following approaches to handling this scenario would be most appropriate in a Pega application?

A. Create a single class for all types of insurance policies and dynamically add or remove attributes as needed.
B. Create a single class for all types of insurance policies and define all possible attributes.
C. Create a base class for the insurance policy for the common attributes, and then create derived classes
for each type of insurance policy with their unique attributes.
D. Create a separate class for each type of insurance policy and then define the common attributes in the new class.

Answer: C

Question: 4

[Data Modeling]
In a hospital's patient management Pega application, patient details are gathered during the initial consultation process. This information must be accessible and current for all subsequent appointments and treatments. Keeping patient information updated is crucial to effective planning and implementation of treatment. Which one of the following options would you select as a solution?

A. A portal to collect patient data. Pre-load the patient's information into the system for each subsequent appointment and treatment, based on the outcomes of the initial consultation.
B. A portal for updating patient data, using the snapshot data access pattern to access patient information for appointments and treatment processes.
C. A portal to collect patient data and store the data with Consultation cases. Use data propagation features to transfer patient information to each subsequent appointment or treatment as they are scheduled.
D. A portal for updating patient data, utilizing the System of Record (SOR) data access pattern to access patient information for appointments and treatment processes.

Answer: C

Question: 5

[Data Modeling]
As an LSA developing a Pega application for an online grocery store, you are tasked with enabling customers to navigate through various categories such as "Dairy," "Confectionery," "Frozen Food," and "Soft Drinks." Each category contains at least 10 sub-categories, with the workflow varying depending on the selected sub-category. What is the best method of populating the categories and sub-categories and retrieving the related information from the grocery store's database?

A. Implement a data page that accepts either a Category or Sub-category as a parameter. Based on the parameter type, the required information is retrieved and displayed in the subsequent layouts.
B. Implement a data page for Sub-categories. Load Categories by default upon startup. Populate Subcategories
after a Category is selected, using a Sub-category data page that takes the Category as a parameter.
C. Implement data pages for Categories and Sub-categories. Populate Sub-categories after a Category is selected, using a Sub-category data page that takes the Category as a parameter.
D. Implement a data page that takes the Sub-category as a parameter. Based on the Sub-category type, the necessary information is retrieved and shown in the subsequentpf layouts.

Answer: C

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