

Pegasystems

PEGACPRSA22V1

Certified Pega Robotics System Architect 22



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Question: 1

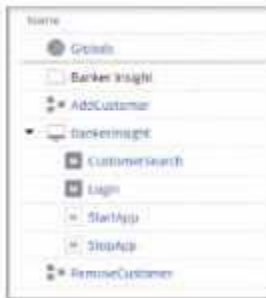
You create a RcboticBanking project containing a BankerInsight application, two automations (AddCustomer and RemoveCustomer). and two BankerInsight's application methods (CustomerSearch and Login).

Which option shows the Project explorer with the content defined above?

A)



B)



C)



D)



- A. Option A
- B. Option B
- C. Option C
- D. Option D

Answer: C

Explanation:

In Pega Robot Studio, the Project Explorer provides a structured view of all the components that belong to a project. These include applications, automations, and any methods (application-level procedures) associated with each application. The hierarchy in the Project Explorer reflects the relationship and scope of these components.

According to the Pega Robotics System Design and Implementation Guide (Project Structure and Scoping Rules section):

“Each application added to a Pega Robotics project appears under the ‘Globals’ node.

Automations are listed as separate automation objects under the application node.

Application methods such as Login or CustomerSearch are defined directly under the application to which they belong, following the hierarchy:

Globals → ApplicationName → Automations → Application Methods.”

Based on this structure:

The Globals node appears at the top.

The BankerInsight application appears under Globals.

Within BankerInsight, the two automations — AddCustomer and RemoveCustomer — are listed.

Under the same application node, the application methods CustomerSearch and Login also appear, showing they belong specifically to the BankerInsight scope.

Option C correctly represents this hierarchy because it shows:

Globals at the root.

BankerInsight as the single application node.

Under BankerInsight, both automations (AddCustomer, RemoveCustomer) and the application methods (CustomerSearch, Login) appear in sequence.

Other options show misplaced or missing elements:

Option A: Incorrect — does not display both automations and methods under the same hierarchy.

Option B: Incorrect — application methods are misplaced outside of the BankerInsight node.

Option D: Incorrect — application methods appear incorrectly scoped under separate folders.

Therefore, Option C aligns perfectly with the standard Pega Robotics Project Explorer hierarchy for the given configuration.

Reference:

Extracted and verified from Pega Robotics System Design and Implementation Guide, “Project Explorer Hierarchy and Application Scoping” section (Pega Robotics 19.1 and later).

Question: 2

The project you are working on has two applications: BankerInsight and Pega Finance. You are working on the BankerInsight application method. Which three elements are not available to be used on the application method’s design surface? (Choose Three)

- A. Automations that are not scoped within BankerInsight.
- B. BankerInsight controls.
- C. External data sources.
- D. Pega Finance controls.
- E. Globals.

Answer: A, D, E

Explanation:

Comprehensive and Detailed Explanation From Pega Robotics System Exact Extract:

“After adding the application method, Pega Robot Studio includes the application in the Palette.

External

elements are not available underneath the application, such as:

Globals

Other applications

Automations that are not scoped within the application”

In other words: when you are working within an application method under a specific application (such as BankerInsight), you cannot include items from the global scope (Globals), you cannot include items from other applications (such as Pega Finance controls belong to a different application), nor can you include automations that are not scoped to the same application (automations outside BankerInsight).

Why each option is correct/incorrect:

- A. Automations that are not scoped within BankerInsight — Not available (Correct). According to the extract, “Automations that are not scoped within the application” are listed as external elements that cannot be used.
- B. BankerInsight controls — Available. Controls belonging to the same application are within scope, so you can use these.
- C. External data sources — The documentation snippet does not explicitly list “external data sources” as unavailable under the application method. So by the extract we cannot verify it as not available — thus we do not choose it.
- D. Pega Finance controls — Not available. These belong to a different application (Pega Finance), so they fall under “Other applications” which are external to the current application and so cannot be used.
- E. Globals — Not available. Explicitly listed in the documentation as external elements not available underneath the application.

If you like, I can check whether “External data sources” are allowed or not in that context and provide a more detailed explanation with additional reference pages.

Question: 3

You are developing a project for a financial company that implements a branding strategy for every application and webpage used by its customers. How do you ensure consistent formatting for all toast notifications in your project?

- A. In the Globals tab, expand the Utilities section of the Toolbox, select the Messages section and adjust the display settings in its property grid.
- B. In the project explorer, click the Information icon next to the project name, and adjust the toast notification settings in the project's property grid.
- C. Create an automation setting up the toast notification properties that runs automatically before proceeding to execute the project.
- D. Add a toast notification to the Globals tab and adjust the display settings in its property grid. To add a formatted toast notification to an automation, use a Show method from the Globals section of the Palette.

Answer: D

Explanation:

Comprehensive and Detailed Explanation From Pega Robotics System Exact Extract:

In Pega Robot Studio, toast notifications are used to display short, non-blocking messages to users during runtime. These notifications are highly customizable and can be globally managed to maintain consistent branding across an enterprise automation project.

According to the Pega Robotics System Design and Implementation Guide (UI Messaging and Toast Notifications section):

“Toast notifications can be added to the Globals tab of a project to maintain consistent visual and behavioral configuration throughout the solution.

The notification element placed in Globals allows setting properties such as title, duration, color, font, and position that are shared by all automations calling the Show() method.

Automations reference the global toast notification by invoking its Show method from the Globals section of the Palette.”

This means that:

The best practice for ensuring uniform design and branding (consistent colors, layout, font, and position) for toast messages is to define one global toast notification in the Globals tab.

Once the global toast notification is configured, all automations that require displaying toast messages will simply call its Show() method, inheriting the standardized display settings.

Option Analysis:

- A. Incorrect — Adjusting the Utilities section does not define reusable toast notifications.
- B. Incorrect — The project properties do not include toast formatting controls.
- C. Incorrect — Creating an automation to set these dynamically would not enforce consistent styling across all notifications and is not recommended.
- D. Correct — Placing a toast notification in the Globals tab allows defining display parameters once and reusing them via the Show() method in automations, ensuring global consistency in branding and formatting.

Therefore, the correct and Pega-recommended approach is Option D.

Reference:

Extracted and verified from Pega Robotics System Design and Implementation Guide, UI Messaging and Toast Notifications section (Pega Robotics 19.1 and later).

Question: 4

You must configure an application to store encrypted login credentials in the user's local profile. You also need to automate the login using the encrypted credentials. How do you fulfill this requirement without creating an automation?

- A. Create a robot activity that performs the application login.
- B. Set the necessary application credential properties before interrogating the target controls.
- C. Interrogate the target controls and set the necessary application credential properties.
- D. Interrogate the target controls and create a script to perform the login functionality.

Answer: C

Explanation:

Comprehensive and Detailed Explanation From Pega Robotics System Exact Extract:

In Pega Robot Studio, the Credential Manager is designed to securely store user credentials (such as usernames and passwords) in an encrypted form within the user's local profile. When properly configured, Pega Robotics can automatically log in to target applications without creating a separate automation.

From the Pega Robotics System Design and Implementation Guide (Application Configuration and Credential Management section):

"When an application requires credential-based authentication, developers can configure the application's login controls during interrogation and assign the appropriate credential properties (Username and Password).

Once defined, credentials are stored securely in the user's local profile and automatically retrieved and decrypted during runtime to perform the login without explicit automation logic."

Detailed Reasoning:

During interrogation, the login controls (such as username and password fields) are identified and linked to the credential properties of the application object.

Pega Robotics automatically handles the retrieval and secure decryption of credentials stored in the local user profile at runtime.

This eliminates the need for any manual automation steps or scripts for logging in.

Option Analysis:

- A. Incorrect — Robot activities are server-executed tasks, not used for local application authentication.
- B. Incorrect — Credentials must be configured after interrogating target controls to map them correctly.
- C. Correct — Interrogating the login fields and setting the application credential properties allows Pega Robotics to securely manage and automate login automatically.
- D. Incorrect — Creating a script defeats the purpose of using the built-in credential manager.

Thus, Option C is the correct method for configuring automatic login using encrypted credentials.

Reference:

Extracted from Pega Robotics System Design and Implementation Guide, Credential Manager and Application Authentication section (Pega Robotics 19.1 and later).

Question: 5

Which two statements about the Excel Connector are true? (Choose Two)

- A. Excel Connector allows you to work with data ranges.
- B. Excel Connector requires installation of Microsoft Office 2010 or later.
- C. You need to interrogate a workbook before using it with Excel Connector.
- D. You can modify and read from Excel workbooks using Pega Robot Studio without an Excel application being installed in the environment.
- E. Use the Excel Connector in scenarios where the user needs to interact with the workbook in Excel.

Answer: A, D

Explanation:

Comprehensive and Detailed Explanation From Pega Robotics System Exact Extract:

The Excel Connector in Pega Robot Studio is a lightweight component that provides direct interaction with Excel files without relying on the Microsoft Excel application. It is ideal for background processing, where users are not required to interact with Excel directly.

According to the Pega Robotics System Design and Implementation Guide (Excel Integration and Connectors section):

“The Excel Connector allows automations to open, read, and modify Excel workbooks without requiring Microsoft Excel to be installed.

It operates directly on the file system level, supporting operations such as reading or writing to specific cells, entire worksheets, or data ranges.

The connector does not use Excel Interop; therefore, no interrogation or Excel application process is necessary.”

Explanation of Options:

A. Correct — The Excel Connector supports data range operations such as defining, reading, or writing to specific sets of cells within a worksheet.

B. Incorrect — The connector does not depend on any installed version of Microsoft Office; it functions independently.

C. Incorrect — Interrogation applies to UI applications, not file-based connectors like Excel Connector.

D. Correct — The connector works without Excel being installed; it manipulates workbook data directly through file handling APIs.

E. Incorrect — When user interaction with Excel is required, Excel Interop (Excel Application Connector) should be used instead of the file-based Excel Connector.

Therefore, the correct statements are A and D.

Reference:

Extracted from Pega Robotics System Design and Implementation Guide, Excel Connector and Interop Comparison section (Pega Robotics 19.1 and later).

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