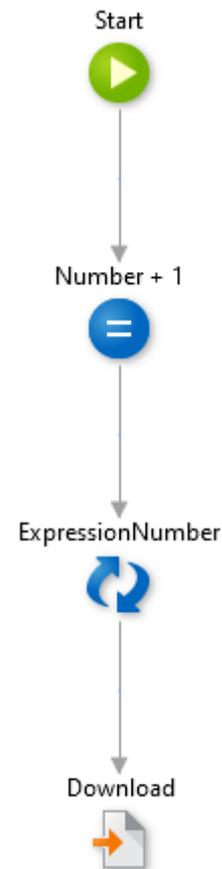


1. The local variable "Number" has 10 as the default value. The Screen Action represented in the image is executed by pressing the "Download" button that has the "Submit Method" property equal to "Submit". After executing the Screen Action represented in the image:

- The system will download an empty file, since there is an Ajax Refresh in the stream.
- The variable value will be modified, Ajax Refresh will not be executed (since the button method is Submit) and the file will be downloaded.

The value will be modified and the download will be performed. As the value change information will not be updated in the user's view, as the download has been made, any new request will use the old value as the basis (in this case, 10), no matter how many times the action that triggers the download is triggered.

- The value of the variable will not be modified.
- The value of the variable will not be modified, since the method used is Submit, and the file will be downloaded.



2. About the APP Feedback tool that the Platform has natively, it is correct to state:

- It can be configured by environment and removed on specific pages within modules.
- When enabled, it requires users from all environments to provide feedback on applications.
- All options are correct.
- It is activated by environment and obligatorily for all applications implemented there.

3. When updating a Web Block through Ajax Refresh, the following flow is performed:

- Preparation of the Web Block runs and variables and Widgets have their values reset.
- Preparation of the Web Block does not run, only widgets and variables are updated in the user's view.
- Preparation of the Web Block is performed and values of variables and Widgets not explicitly modified in the Preparation flow are maintained.
- Preparation of the parent page runs and then Preparation of the Web Block runs.



4. An attribute of a Structure can be of the type:

- Structure, only.
- Basic types (text, integer, etc.), only.
- Entities, only.
- None of the options is correct.

A Structure can encapsulate different data types and can also have only one attribute of a single type. The use of the word "Only" invalidates all of the other options.

5. The preparation of the page was not performed, some parts of the page were rebuilt after the call and execution of the Screen Action "Submit". The "Submit Method" property of the Widget that runs Screen Action is:

- Ajax.
- Submit.
- Ajax Submit.
- Client & Server.

The Ajax Submit method does not perform the preparation again, unlike Submit.

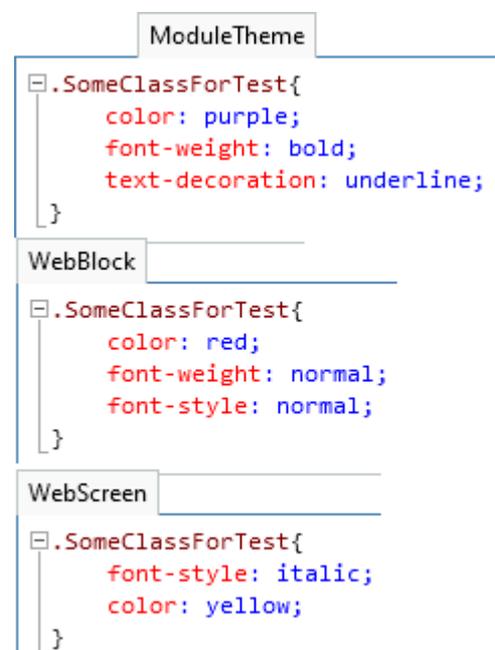
6. Regarding the "Debug" functionality, it is correct to state:

- It is not possible to select the Entry Module.
- You can add Breakpoints anywhere in the flow in Server Actions, Screen Actions and Preparation, only.
- Consumer modules can be selected as an Entry Module if the references are properly updated.
It is possible to start a debug in modules that are consumed by others. In the desired module, indicate which is the module in which the request will be made.
- Breakpoints should always be removed before publishing modules so that unexpected behavior at run time does not occur.

7. Observe the image and, considering the hierarchy of style elements, what will be the style applied to a Widget Expression that is inside a Web Block and has the "SomeClassForTest" class assigned?

- Red, italic, bold and underlined font.
- Yellow and italic font.
- Yellow, bold, italic and underlined font.
- Purple, bold and underlined font.

Considering the hierarchy of elements in OutSystems, the instance of the class that has the highest hierarchy is on the page (Web Screen), therefore, elements that were defined in the module's Theme were overwritten by the style of the page.

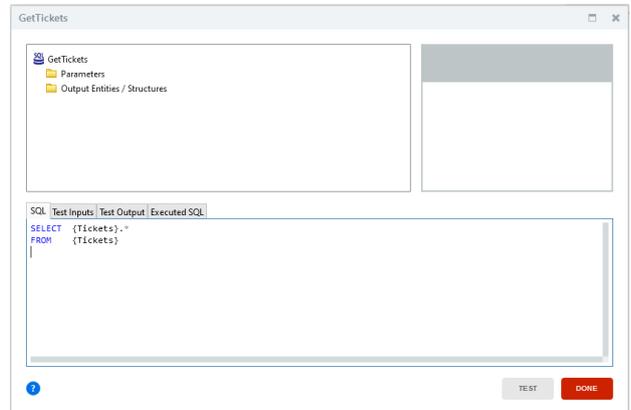


8. It is possible to retrieve persisted records in the database using Aggregates or the Advanced SQL tool. Analyze the image and choose the correct option:

- The query will not be executed, since it is necessary to insert an entity or output structure.

Output structure is mandatory when using the Advanced SQL tool. You need to define the structure (column data types) that your query returns, even if the SQL statement does not return any records.

- The SQL statement is incomplete.
- To consult all fields in the table using the Advanced SQL tool, it is not necessary to insert ". *" (Period and asterisk) in the SQL statement.
- It is necessary to write the physical names of tables and attributes in the SQL statement.



9. About Roles, it is correct to say:

- Roles cannot be shared between modules.
- All application users have the "Registered" Role.
Every user, when authenticated, automatically has the Role Registered. This differentiates them from anonymous users, that is, those who have not authenticated.
- It is necessary to create Role Anonymous for new applications.
- Roles are used to control user access exclusively through the "Roles" property of pages.

10. About Exception Actions (Raisers and Handlers), it is correct to state:

- It is not allowed to have more than one Exception Action in the same flow.
- It is not allowed to insert Exception Actions in the Preparation.
- It is not possible to end the Preparation flow with a Download Action.
- When an Exception Handler is thrown, a message is logged in the Error Logs only if the developer sets this option.
In the Handler it is possible to configure whether a log will be recorded or not. It is also possible to define whether the Transaction in the database will be aborted or not.



11. The following elements can be exposed as public:

- Entities, Site Properties, Session Variables.
- Entities, Web Screens, Screen Actions.
- Entities, Site Properties, Session Variables, Screen Actions.
- Server Actions, Static Entities.

It is not possible to expose Site Properties, Session Variables and Screen Actions as public.

12. When you drag a button to the page, the "Validation" property, by default, has the value:

- Client.
- None.
- Server.
- Client & Server.

13. The following elements can have their value changed at runtime:

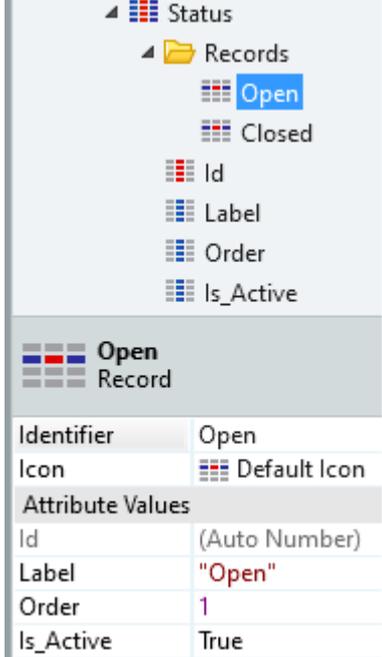
- Expression, Label, "Label" attribute of a static entity.
- "Label" property of a button, "Value" property of a Label.

The "Label" properties of buttons and "Value" of Labels can be changed dynamically by some condition that changes at runtime.

- Text, Name of a Table Records.
- Expression, Text, "Label" property of a button.

14. Rafael wants to display different images on a page according to the value of the "StatusId" variable using an If Widget. The If condition must be:

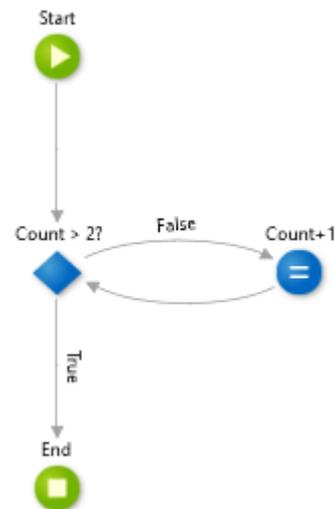
- StatusId = Entities.Status.Open.
As it is a static entity, it is possible to compare the values directly with one of the records of this entity.
- StatusId = 1.
- StatusId = "Open".
- StatusId = GetStatus(Entities.Status.Open).Status.Label.



Open Record	
Identifier	Open
Icon	Default Icon
Attribute Values	
Id	(Auto Number)
Label	"Open"
Order	1
Is_Active	True

15. The variable "Count" (which has its initial value equals to zero), at the end of the execution, will have the value:

- 3.
- 2.
- Zero.
- The logic displayed in the image will create an infinite loop.



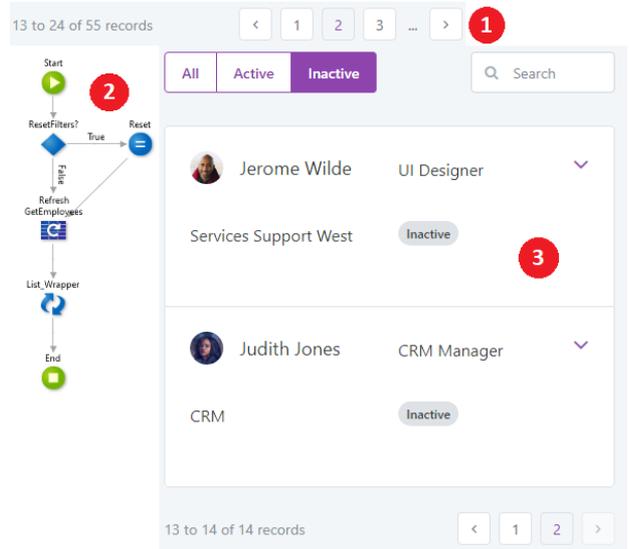
16. Considering that the attribute "CreatedBy" has the User Identifier type, the result of the query represented in the image will be:

17. The image represents a problem reported by system users when using pagination in lists: when the user moves through the pages of a listing that displays more records and then applies a filter that brings fewer records to the listing (inserting a filter, for example) a pagination position is not modified. Indicate the solution to the problem:

The Action "ResetStartIndex" must be inserted in the flow.

The "ResetStartIndex" Action returns the pagination to the starting position. However, one must validate when applying this Action to the flow, as it can generate the situation of always resetting the pagination and working incorrectly.

- The page must be rendered again to clear the pagination.
- The Ajax Refresh Widget must be inserted in the flow to update the List_Navigation Widget that displays which page the listing is on.
- Users must return to the first page before applying filters to the listing.



18. Attributes of static entities can have types. Select the most complete option:

- Boolean, Phone number, Binary.
- E-mail, Text, Binary, Static Entity Identifier.
This option contains more correct types.
- Boolean, Phone number, Binary, Other static entities.
- Time, E-mail, Text.

19. The entity "Entity1" has one of its attributes with the type User Identifier and the mandatory property set to Yes. When making an automated query, what type of Join will be automatically implemented by the platform?

- Left Join.
- With.
- With Or Without.
- Only With.



20. Rafael wants to persist data in application A entities through application B modules using the Actions created together with the entities:

- Rafael must create a unique application, since it is not possible to persist data in entities from other applications.
- Rafael must define the entities he wants to persist as public only.
- Rafael must create a third application to share resources between the two applications.
- Rafael must define the entities he wants to persist as No Expose Read Only and public.

Rafael needs to allow other modules to write in the entities of application A (through the property "Expose Read Only") so that it is possible to make Actions available to other modules.

21. About building Web Screens using templates, select the incorrect option:

- All attributes of the new entities and entities in the template must be the same for automatic substitution to take place.

The substitution will occur even if none of the attributes has a corresponding name among the entities.

- To replace the template entities with the real ones just drag the new entity over the Widgets of the page.
- Attributes with names or data type equals to the attributes of the template will be replaced.
- Unrecognized attributes will be reported as an error for the developer to make the replacement manually.

22. The "Validation" property (present in buttons and links) can have the types of validation:

- True and False.
- Client & Server, Submit e None.
- Client & Server, Server and None.
- Yes and No.



Sample Practice Test - OutSystems Traditional Web Developer

@rafaoutsystems



Reactive Developer
ASSOCIATE
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23. About Action Flows, it is correct to state:

- Preparation must have only one End Node.
- Screen Actions can have more than one Start Node.
- None of the options is correct.

Any action can have more than one End Node. Preparation does not allow you to use Ajax Refresh because it runs before the screen is even processed. Unlike the End Node, only one Start Node can exist. Only in BPT flows is it possible to define a Conditional Start.

- It is possible to do Ajax Refresh in Preparation only if the widgets on the page are named.

24. For a page to be displayed as a Popup, it is necessary to:

- Link the Web Block "Popup_Editor" to the button / link that will navigate to the page.
- Set the page layout Web Block to "LayoutPopup".
- Set the navigation method of the button / link to "Navigate".
- Insert the Server Actions "Popup_Editor_Close" and "Popup_Editor_Notify" in the page flow.

25. Regarding session variables, it is correct to state:

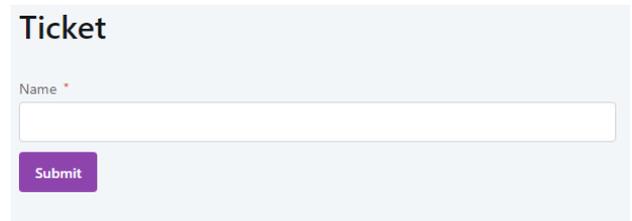
- Avoid creating session variables with types other than basic types and entity identifiers.

As the data stored in the session is trafficked at each request, complex types are discouraged as performance can be seriously impacted.

- It is not possible to create a session variable with type "Phone Number".
- It is not possible to enter a default value, as the session data expires and the variables lose the value they had in the session.
- The values are reset only if the user logs out of the application.

26. The input shown in the image is defined as mandatory in its properties. The button has a "Server" validation method. The user typed two spaces in the input and pressed the "Submit" button. What will happen next?

- Nothing happens.
- The system displays an error message and stops all operations.
- The system saves the information.
Server side validation does not generate an error because the value entered (" ") is different from empty ("").
- The system informs you that the field is mandatory.



The image shows a form titled "Ticket". It has a label "Name" with a red asterisk indicating it is mandatory. Below the label is an empty text input field. To the right of the input field is a purple "Submit" button.

27. What types of applications can be created in OutSystems? Select the most complete option:

- Traditional Web, Service, Extension, Mobile.
- Reactive Web App, Mobile App.
- Traditional Web, Service, Mobile.
This option contains more correct types of application. Remember that some of the types listed are types of modules, not applications.
- Web Responsive and Mobile Apps.

28. Regarding referential integrity, it is correct to state about the "Ignore" rule:

- It does not allow deleting the record of the entity referenced by the attribute.
- It does not guarantee referential integrity between records.
When using this rule, no constraint is created in the database, leaving the records free to be deleted. All records that refer to it remain recorded pointing to a non-existent record.
- Allows you to delete the record and, in cascade, deletes all the records of entities that are referencing it.
- None of the options is correct.



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Sample Practice Test - OutSystems Traditional Web Developer

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29. About Aggregates, it is incorrect to state:

- It is not allowed to use functions in filters.
It is possible to use Built-In and User Functions.
- It is allowed to group by several attributes.
- There are three conditions of Join conditions only.
- It is possible to use the "If" function in filters.

30. The scope of a local variable refers to what's "visible" in the context of the variable and it is possible to make assignments. Choose the correct option:

- It consists of: local variables, preparation, widgets, user functions and built-in functions only.
- Static entities, session variables and site properties only.
- Local variables, entities, session variables and user functions.
The scope of a variable concerns what is visible and possible to make assignments.
- Local variables and elements of the preparation only.