OUTSYSTEMS Written TEST

Name TUSHAR BADAKH

Id   NIPL1557

Q1) Which are the Different types of tools OutSystems provide.?

Ans : There are several tools provide by outsystems

For development

Service Studio

Itegration Studio

Communities

Forge community

Forums

Admin and Operations

Lifetime

Service Center

Q2) When can we use Integration Studio?

Ans :- Integration studio is used to create and manage extensions and when we need to integrate our extension with other services. It is installed with service studio development tool.

Q3) What is a lifetime in OutSytems?

Ans :- Lifetime is tool or console which helps in centralizing lifecycle management of the application right from the beginning to the end of application.

Q4) What is a Service Center OutSystems?

Ans :- It is tool or environment where one can perform environment specific operations ex : role management for users, setting environment properties files, module related functionalities etc.

Q5) How Service Center work & What is the use of a Service Center?

Ans :- Working of service center outsystems is like to ensure all configuration settings gets applied which are required for application like : email configuration, database connection etc.

Q6) When can we use Blank Module?

Ans : We can say blank is a plain sheet of paper on which we draw whatever we want , blank modules becomes the foundation layer in an application. Whaterver we do comes on the top of balnk module which in return helps in reducing AO (Application Object Count).

Q7) What is the use of the service module?

Ans : As we enforce modularity to ensure that there is separation of concern to encapsulate core functionalities, as the size of application increases we need to ensure we modulate services into service module.

Ex : Integrations such as REST , Processes and Timers etc

Q8) What is the forge component? & How do you identify the best forge component for your application?

Ans :- Forge components are the outsystems large repository of open source reusable components. Which we can use in our application, since this is open

source contribution community we need to ensure that the module worked properly for that we can see whether the component is outsystem certified or not . One should also test these components themselves to ensure smooth service.

Q9) What is the Difference between Client action (in Interface) & Client Action (in Logic)?

Ans :- Action is logic which either gets executed on client side or server side,

Here in outsytems client action (in interface) is called as screen action and client action (in logic) is just client action.

The fundamental similarity is these both actions are executed on browser side.

The differences are

Screen action are clearly defined within the boundaries of screen and are usually bound to widgets , screen actions are reused within the same screen, screen actions have only two varibles input parameters and local variable. Screen actions are created under screens inside interface tab.

Client actions are sort of global actions which can be reused anywhere within the application, client resues other client action or server actions, they are creted under client action folder inside interface tab. Client actions support input parameter , output parameter and local variables.

Q10) When can we use Server Action?

Ans :- Server actions are server-side logic which gets executed in server side be it in web application or mobile application. Since some web applications run entirely on server side there are only server actions. Server actions support input parameter , output parameter and local variables.

Q11) Which are folders and files get generated while you create a new application?

Ans :- These are folders are dived into four tabs which are as follow

1. Processes

        Processes.

        Timers.

   2. Interface

   UI Flows

   Themes

        Screens

   Scripts

   3. Logic

   Server Actions

   Client Actions

   Roles

        Exceptions

   4. Data

   Entity Diagrams

   Entities

   Structures

   Site Variables

   Client Variables

   Multilingual properties

Q12) What are different types of roles are available in an application?

Ans :- There are two types of roles available in outsystems

Anonymous roles :- Which are not registered in database

Registered roles :- Which are registered in database.

Q13) How to create custom roles?

Ans : - Custom roles are user defined roles one can create new roles by

-> Go to Logic tab.

-> Find roles folder

-> Right click on roles folder and click on add roles option.

-> Rename the new role as per need.

Q14) What are connectors available in OutSystems?

Ans :- Connectors are used to integrate our application to other platforms like facebook , twitter etc

Outsytems provide this out of the box which can be directly used in the applications.

Q15) What are entities? Different types of entities?

Ans :- Entities are data representation tools in the form of tables as a collection of attributes

Entities store data inside various attribute of specified datatypes.

There are two types of entities static entities and entities.

Static entities are used when we want immutable values throught the applications, it consist of records and four autogenrated attributes like lid, Lable, isActive and order . A user if wants can add or delete attribute he can. These attributes are directly used for each record.

Entities are used to store mutable data in the database, they just like tables in database.