Assignment: Mastering Salesforce Flows

Que -1 -> What is a Flow in Salesforce and why is it used?

Salesforce Flows are an automation tool provided by Salesforce which can be used to automate various tasks like, Sending an Email, Sending custom Notifications &, etc.

Que -2 -> Differentiate between Screen Flow and Autolaunched Flow?

Screen Flow:-

- Purpose: To guide a user through an interactive process, like filling out a form or completing a guided wizard.

- User Interaction: Requires a user to be present and interact with the flow, as it includes screens, steps, and choices.

- Runtime: Runs in the foreground where the user can see and participate in it.

Autolaunched Flow:-

- Purpose: To automate processes behind the scenes, such as updating records or sending emails.

- User Interaction: Does not require any user interaction; it runs without a user's direct involvement.

- Runtime: Executes in the background and can be triggered by record changes (created, updated, deleted), a schedule, or a platform event.

Que -3 -> What are variables in Flows and how are they used?

In Flows, variables are temporary containers that store data, allowing you to hold, manipulate, and pass information between different steps of the process.

How they are used

- **Storing data**: Variables hold single values or collections of values. For example, a flow can store a user's input in a text variable or the ID of a record in a record variable.

- **Performing calculations**: Numeric variables can be added, subtracted, or otherwise used in calculations. The result can then be stored in another variable.

- **Conditional logic**: Variables are used in decision elements to check conditions, such as whether a record collection is empty or if a specific value has been met.

- **Modifying data**: Variables are used in assignment elements to change a value or to add/remove records from a collection. For instance, a flow can update a variable that stores a running count or change the value of a field before it's saved to a database.
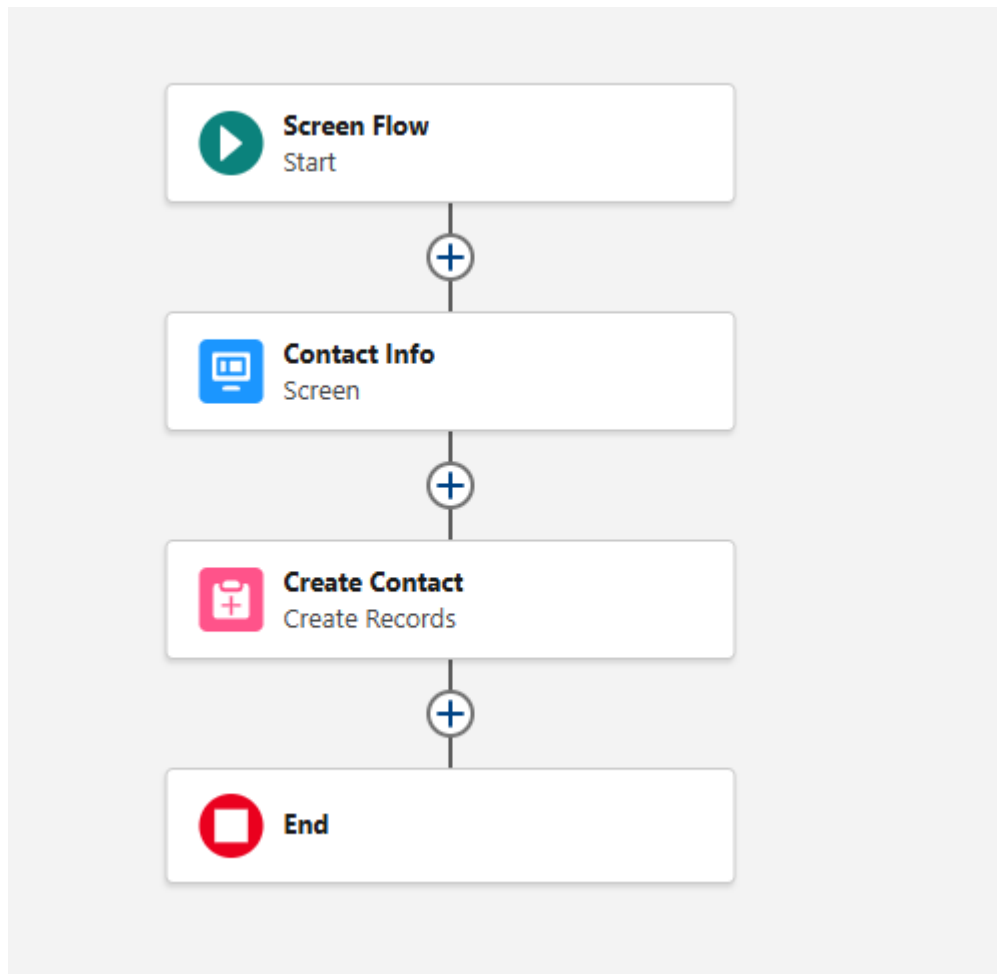
Que -4 -> Explain the role of the Decision element in a Flow.
The Decision element in a flow allows you to create multiple paths based on specific criteria, similar to an if-then-else statement. It evaluates a set of conditions in order and routes the flow down a specific path based on which condition is met first

Que – 5 -> What are the limitations of using Flows compared to Apex?

Flows are limited compared to Apex in scenarios involving large data volumes, complex logic, and robust integrations because Apex offers more control, performance, and customizability. While Flows excel at straightforward, declarative automation, Apex is required for intricate multi-object operations, complex data validation, advanced transaction control, and handling large datasets more efficiently than Flows can.

Part 2: Practical Tasks (Hands-On in Salesforce)

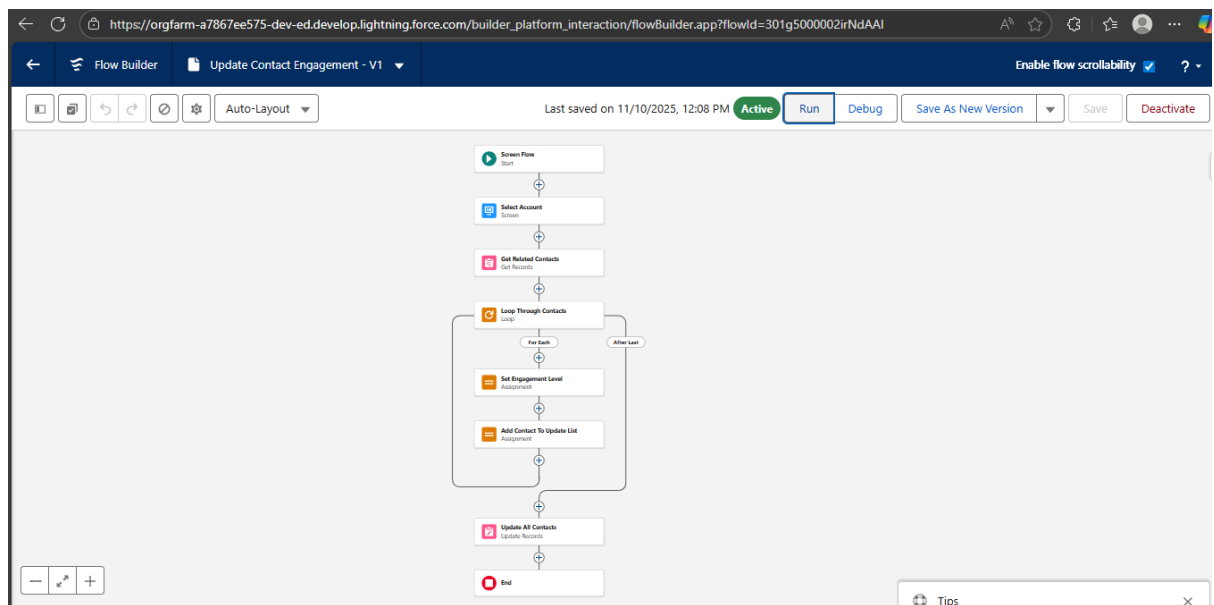1. **Create a Screen Flow**

2. Design a Record-Triggered Flow

3. Build a Flow with Loop and Assignment

4. Use a Decision Element
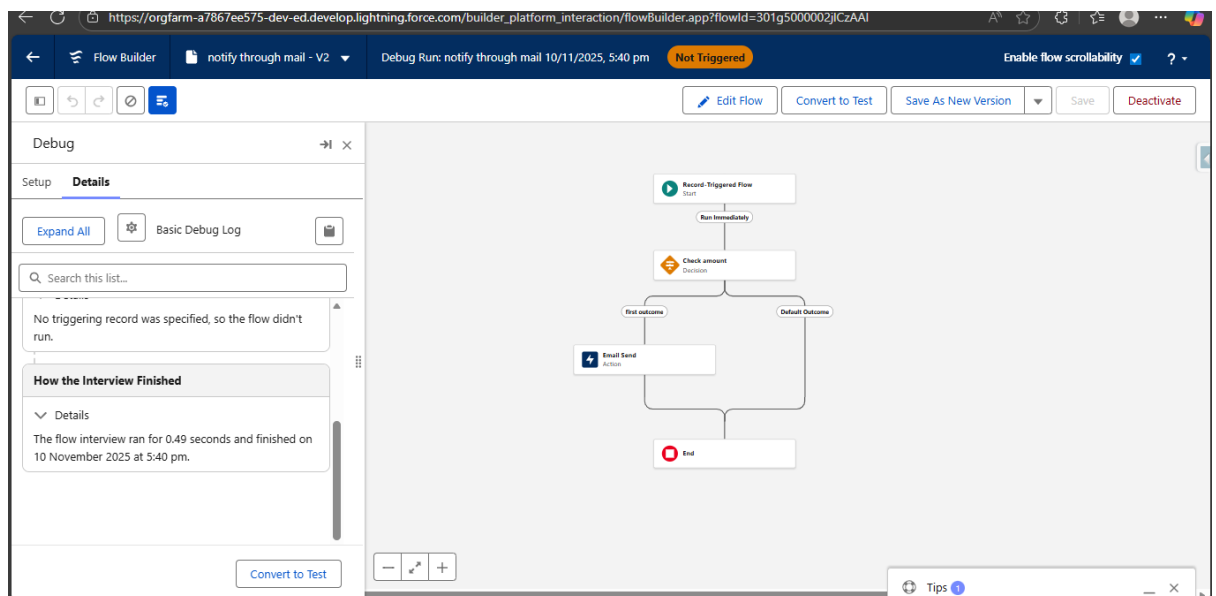
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