Enhancing Interactions: Unleashing the Power of Call Activity in Flowable

In the world of process automation, orchestrating complex workflows often involves collaboration between different processes or sub-processes. This is where the Call Activity in Flowable proves to be an invaluable tool. We will dive into scenarios where using a Call Activity is beneficial and explore how it can streamline and simplify your process architecture.

Understanding the Call Activity:
The Call Activity is a powerful element in Flowable that enables you to invoke and integrate external or sub-processes seamlessly. It essentially allows you to encapsulate and modularize process logic, enabling greater reusability and maintainability.

When to Use a Call Activity:
Modularization of Logic: When you find yourself implementing the same logic across multiple processes, the Call Activity can help centralize that logic in a single sub-process. This ensures consistency, reduces redundancy, and simplifies maintenance.

Reusable Sub-Processes: If you have a specific process segment that is used in multiple workflows, encapsulating it within a sub-

process using the Call Activity ensures that changes or updates to that segment are reflected across all instances.

Process Segmentation: When your main process is becoming too complex, breaking it down into smaller, manageable sub-processes using Call Activities can enhance readability and make the overall process more understandable.

Decoupling: If you need to maintain a level of independence between different processes, using the Call Activity allows you to keep each process focused on its specific responsibilities while still interacting as needed.

Implementing a Call Activity:
Identify Modular Logic: Identify the logic that is being used across different processes and can be encapsulated in a separate sub-process.
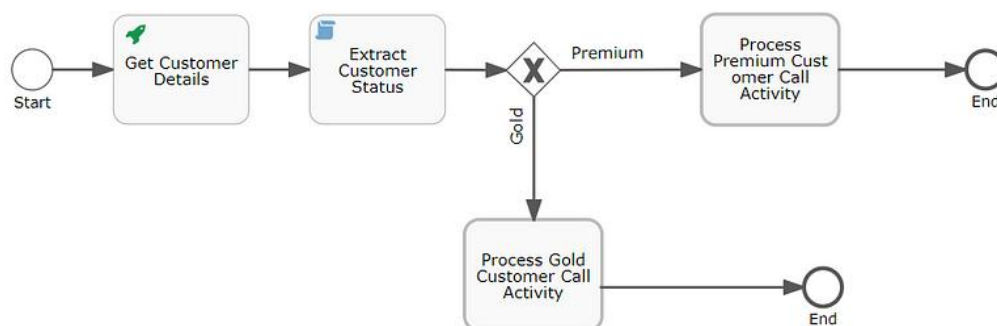
Create Sub-Process: Design and create the sub-process that holds the encapsulated logic. This sub-process can be designed independently and then linked through the Call Activity.

Configure Call Activity: Within the main process, add a Call Activity element and configure it to reference the designed sub-process.

Pass Data: Determine the data or variables that need to be passed between the main process and the sub-process through the Call Activity.
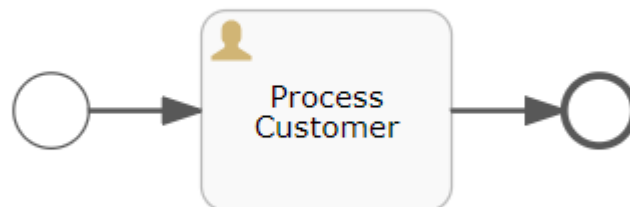
Customer Process — Sub-Process

Use of Call Activity in Customer Process Application

Call Activity Properties

In this example, The customer process for both Premium Customers and Gold Customers has the same functionality. So, I leveraged the use of Call Activity to call the same sub-process for both customer processes.