

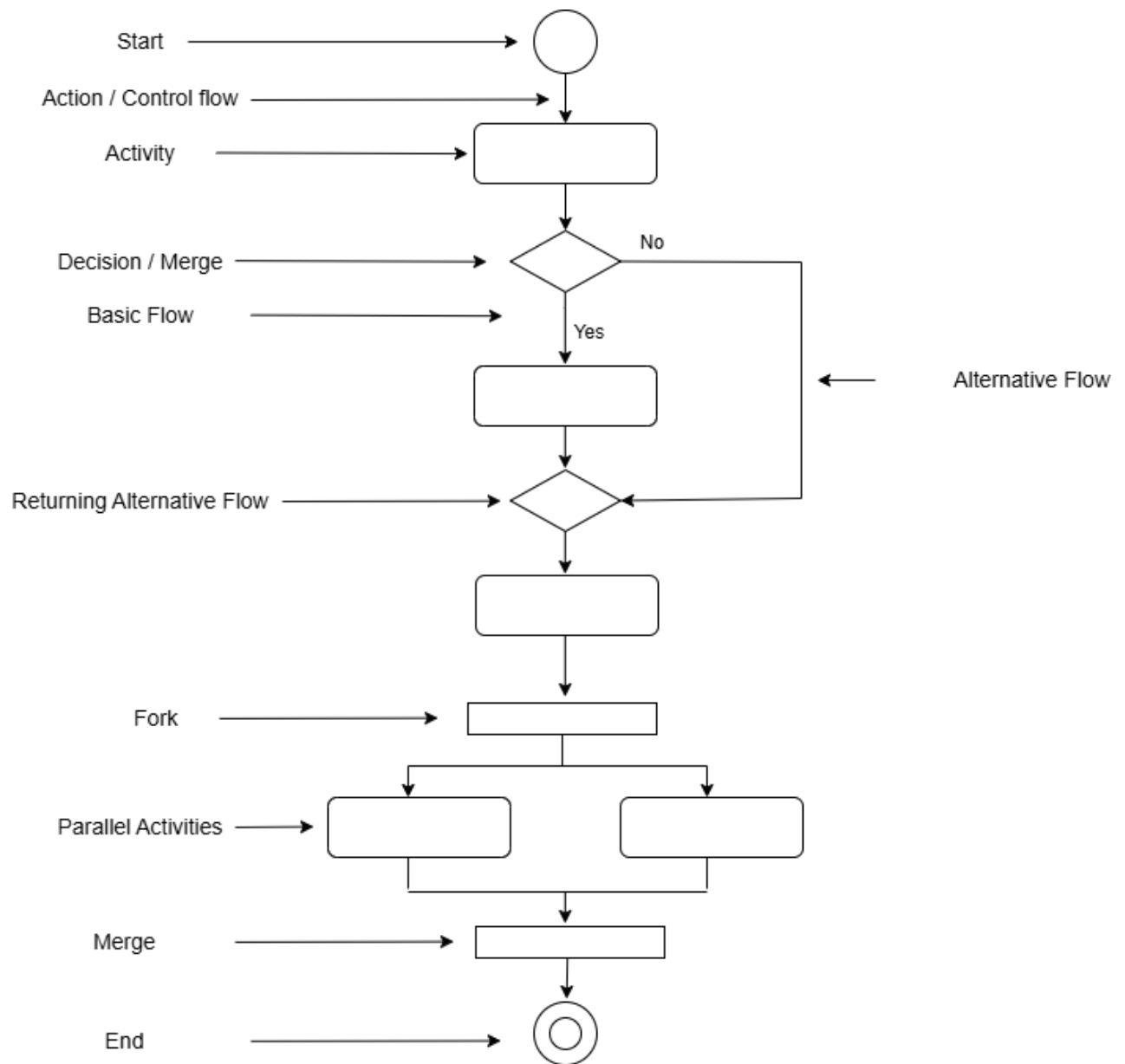
Activity Diagram

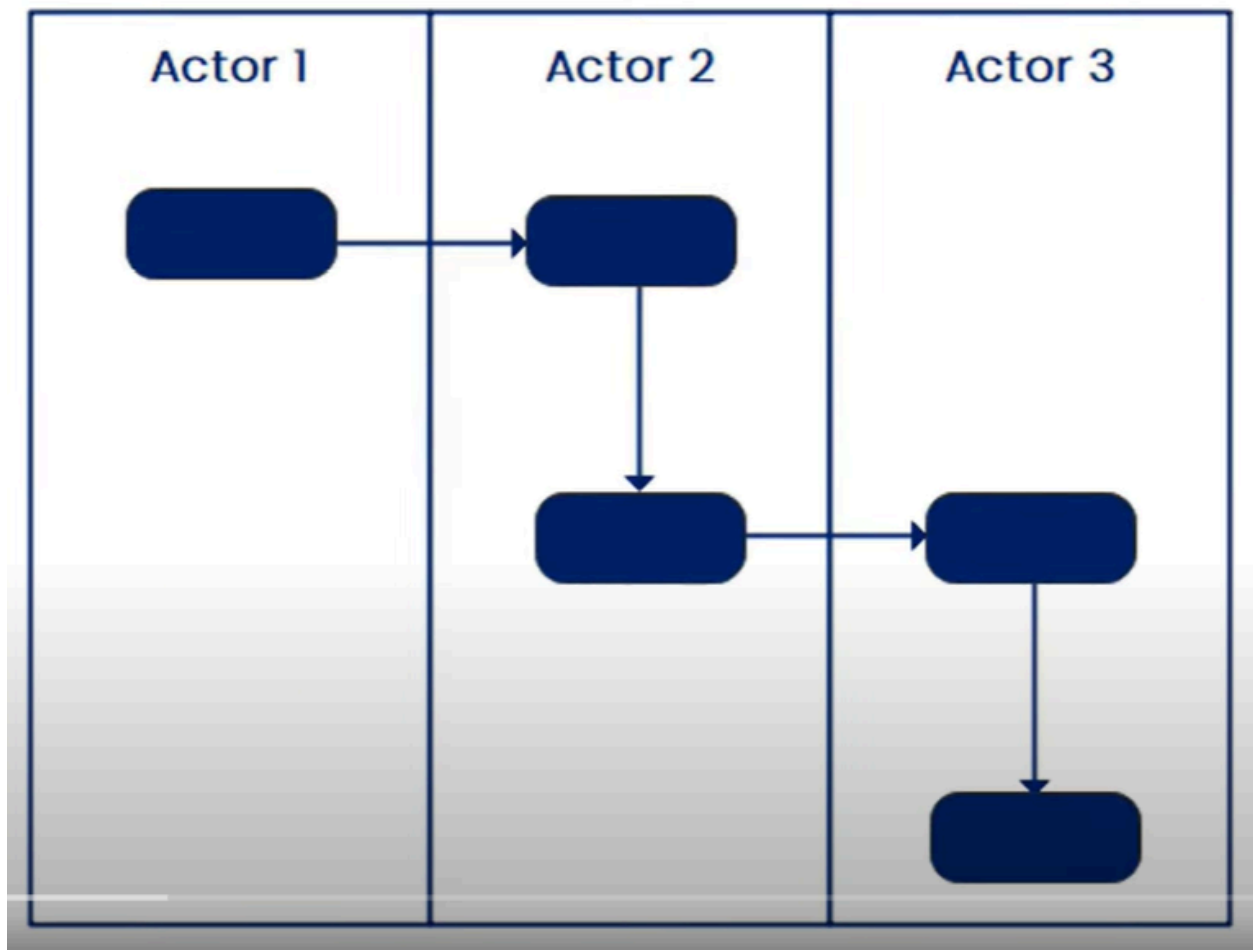
By

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An **Activity Diagram** is a type of UML (**Unified Modeling Language**) diagram that visually represents the workflow of a system, process, or business operation. It is mainly used to model dynamic aspects of a system, showing the flow of control from one activity to another.

Symbols Used for Activity Diagram -





How to draw Activity Diagram -

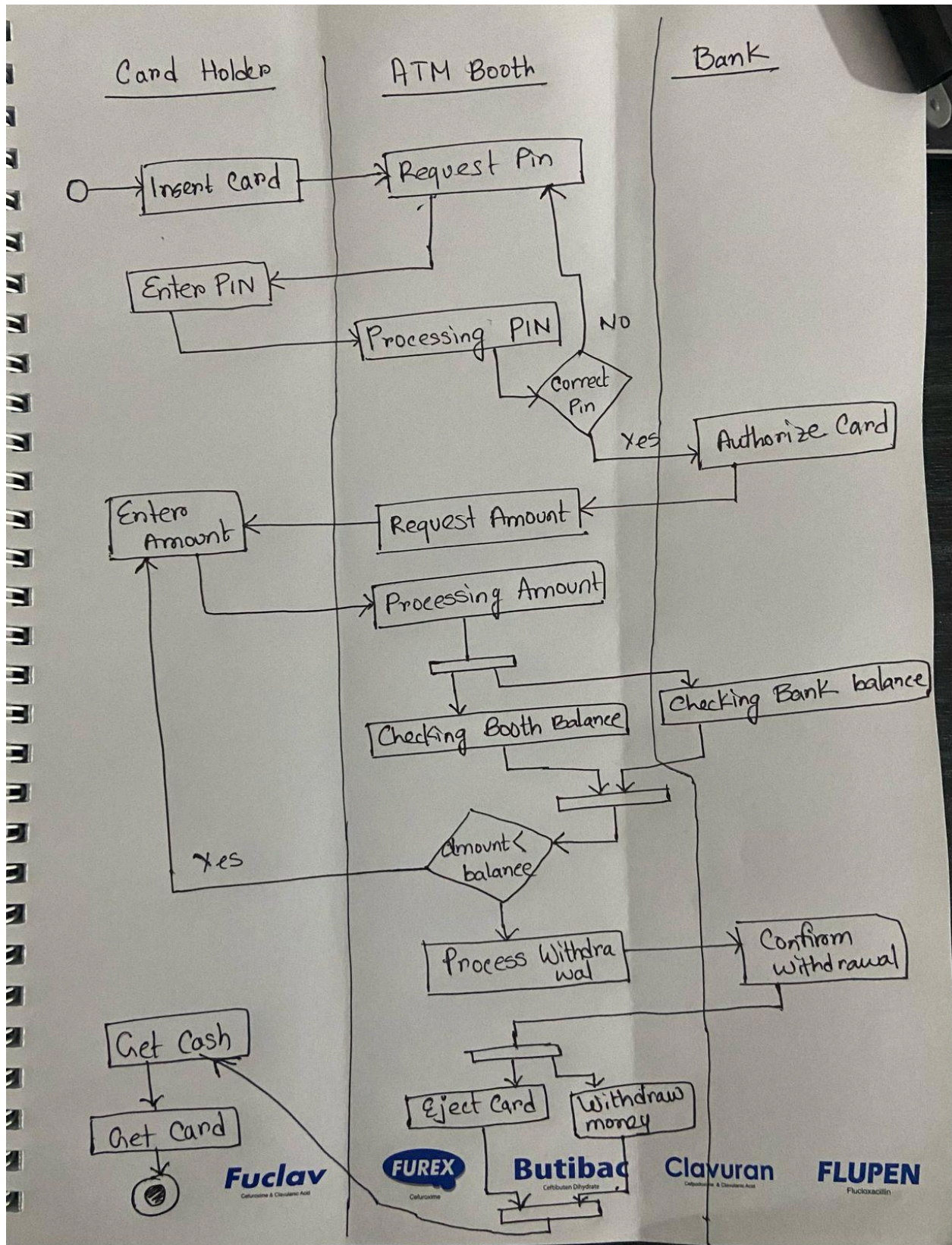
Step 1: Add swimlanes.

Step 2: Identify the actors who are involved.

Step 3: Figure out the action steps from the use case.

Step 4: Find a flow among the activities.

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Illustrate an **Activity Diagram** for this scenario

A student attempts to log into the university's document verification system to upload the required documents for program registration. Upon entering their login credentials, the system verifies the username. If the username is valid, the system directs the student to the student dashboard. However, if the username is invalid, the system displays an error message. In that case, the student must request a valid username and password from the administrator.

Once logged in, the student uploads the required documents, which are then recorded in the system. A program coordinator accesses the system to view the uploaded documents. They review the student's documents and mark them as verified if they meet the requirements. Meanwhile, the student can check the status of their submission at any time, viewing updates provided by the program coordinator. After the documents are reviewed, the system stores and displays the final verification status to the student.

YOU CAN TRY THIS ACTIVITY DIAGRAM PRACTICE PROBLEM TO FIND OUT IF YOU ARE CLEAR ABOUT THE TOPIC.