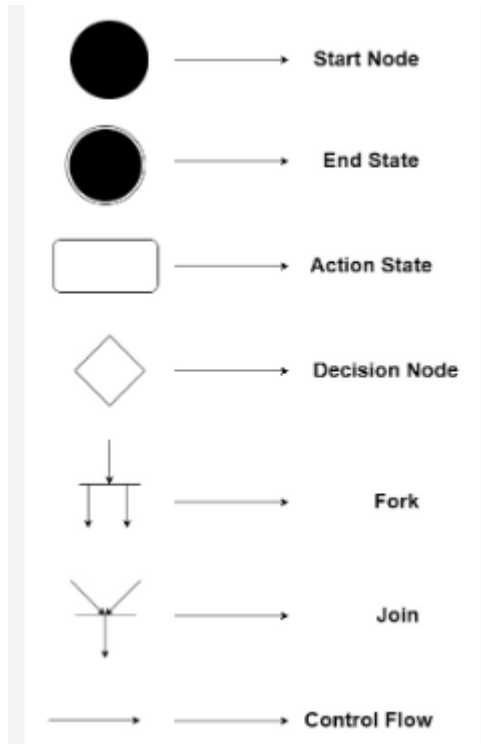


Activity Diagram

An Activity Diagram is a behavioral UML diagram that shows the flow of control or data for a process or operation.



Symbols And Description:

Symbol	Name	Description	Example Use in a Diagram
● Start Node	Initial Node	Indicates the starting point of the activity flow. It's shown as a filled black circle .	When a user logs into a system , the process starts here.
○● End State	Final Node	Represents the end of an activity . It's shown as a black circle with an outer ring .	When the user successfully logs out or completes a process .
□ Action State	Action / Activity	Represents a task or action performed in the workflow. It's drawn as a rounded rectangle .	"Enter user details", "Verify credentials", or "Generate report".

◇ Decision Node	Decision / Branch	Used to represent a choice between alternative flows. Shown as a diamond shape with outgoing labeled arrows.	"Is password correct?" → Yes → Next step; No → Show error.
└→ Fork Node	Fork	Splits a single flow into multiple parallel flows (tasks happening simultaneously).	After login, system loads dashboard and fetches notifications at the same time.
→└ Join Node	Join	Combines multiple parallel flows into one . Usually follows a fork to synchronize actions .	After parallel tasks finish, join back to "Display main screen."
→ Control Flow	Control Flow / Transition	Shows the direction of process flow between activities. Usually drawn as an arrow .	Connects "Enter details" → "Verify details" → "Show result".

