

Experiment 5 :-

Aim: Develop activities & steps for the project.

- Activity diag. can be used to understand the flow of work that an object or component perform.
- Is often associated with several classes.
- one of the strengths of activity diag. is the representation of current activities.
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- provide a workflow of the model for business are very serve to flowchart because you can make a workflow from activities.
- are used to show workflow in parallel.
- can depict the process of lessons to show various activities makes it easier to visualize lesson content & organize.
- help in documenting & understanding complex business process making them an essential tool in business process.

• Elements of Activity diagram.

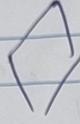
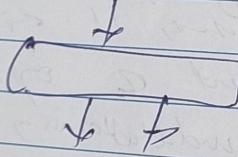
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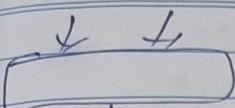


: Start Symbol : It represents the start point of the activity diagram.

and indicates where the process or activity begins.

JM Activity

- ii) [Activity] : Activity symbol : Rectangular box that includes small descriptive text.
- iii)  : Decision symbol : decision node used to make decision
 The process depending upon the choice from or control can take multiple paths.
- iv) → : Condition : Are used for action & decision actions and for process if there are sequences of activities shown in boxes.
- v)  : fork symbol : splits an action into two or more paths.
- vi) [Condition] : Guard expression : Placed before decision know under direction of activity flow that split in


Join : Contains two constant activities and introduces them to a flow which only one at time.


End : Marks the end state of an activity and completes the expression or all way at process.

Execution of Activity Diagram

If represents the process of a user reserving a hotel room in a hotel management system.

- The user begins with the reservation option
- the system checks there are available rooms if not display "no room"
- is available the user enters guest information confirms the reservation and processes for the payment
- if the payment is successful if yes, it confirms the reservation and if not it displays "Payment failed" message.