Indian Institute of Information Technology, Allahabad

Software Engineering

Design Level Diagrams

Group Members

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Activity Diagram

Activity diagram is another important diagram in UML to describe the dynamic aspects of the system.

Activity diagram is basically a flowchart to represent the flow from one activity to another activity. The activity can be described as an operation of the system.

The purpose of an activity diagram can be described as −

- Draw the activity flow of a system.
- Describe the sequence from one activity to another.
- Describe the parallel, branched and concurrent flow of the system.

When to use Activity Diagram -
- ❏ Activity Diagrams describe how activities are coordinated to provide a service which can be at different levels of abstraction.
- ❏ Typically, an event needs to be achieved by some operations, particularly where the operation is intended to achieve a number of different things that require coordination, or how the events in a single use case relate to one another, in particular, use cases where activities may overlap and require coordination.
- ❏ It is also suitable for modeling how a collection of use cases coordinate to represent business workflows.

Before drawing an activity diagram, we should identify the following elements −

- Activities
- Association
- Conditions
- Constraints

Start

Adding Extension

Check Required files

No

Yes

Check User Permissions

View activity since browser is opened for the day

| Total active time | Total AFK time | List of sites visited | No. of times a site visited | Percentage share of time spent on a website | Notification of set time limit reached | Blaclisting some websites | Giving feedback |

Remove extension

End