

Ex No: 10

UML Activity Diagram for Library Management System

Aim: To draw UML Activity diagram for library management system.

Procedure:

An Activity diagram describes dynamic aspect of the system. It is an advanced version of flow chart. It models flow from one activity to another activity. It is a type of behavioural diagram. Benefits of Activity Diagram

- Show Logic of the algorithm
- Describe steps performed in a UML use case
- Optimize flow of activity

Activity diagram is used to model the control flow from one activity to another. This control flow does not include messages.

Activity Diagram Notations

- Initial State
 - A filled black circle is used to represent the initial state of the system or a class.



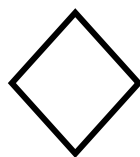
- Activity Symbol
 - Represents the activity in the model.



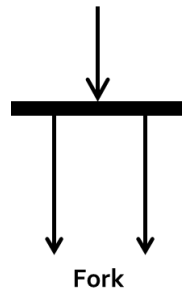
- Connector Symbol
 - Show directional flow or control flow of the activity



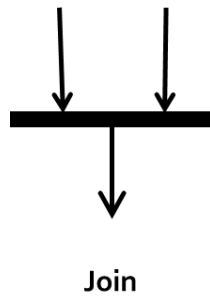
- Dynamic Condition
 - A diamond symbol that indicates a dynamic condition with branched potential results.



- Fork
 - Split a single activity into two activities



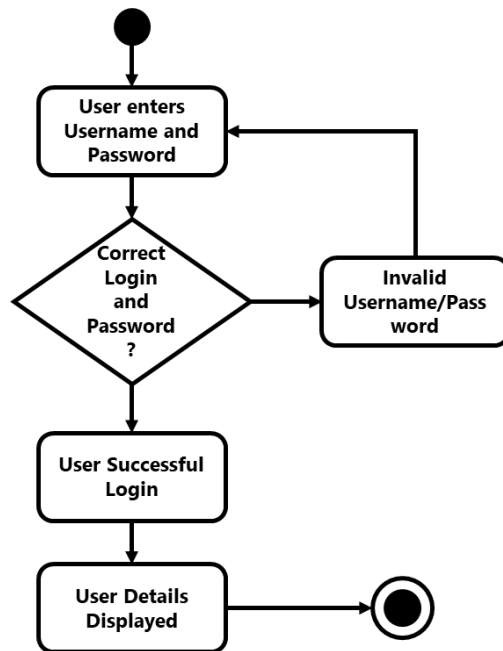
- Join
 - Combines two concurrent activity into a single activity



- Final State
 - A circle with a dot in it that indicates that a process is terminated.



Sample



Result:

Thus UML Activity diagram for library management system is drawn successfully.

Ex10

