Exam Aasaan Hai!!

State chart Diagram in UML

A State chart diagram describes different states of a component in a system. The states are specific to a component/object of a system.

A State chart diagram describes a state machine. State machine can be defined as a machine which defines different states of an object and these states are controlled by external or internal events.

Activity diagram is a special kind of a State chart diagram. As State chart diagram defines the states, it is used to model the lifetime of an object.

Following are the main purposes of using State chart diagrams –
•To model the dynamic aspect of a system.
•To model the life time of a reactive system.
•To describe different states of an object during its life time.
•Define a state machine to model the states of an object.

The main usage can be described as –
- To model the object states of a system.
- To model the reactive system. Reactive system consists of reactive objects.
- To identify the events responsible for state changes.
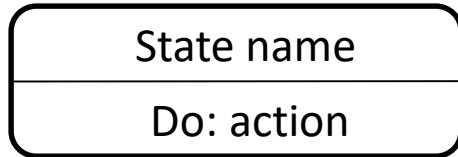- Forward and reverse engineering.

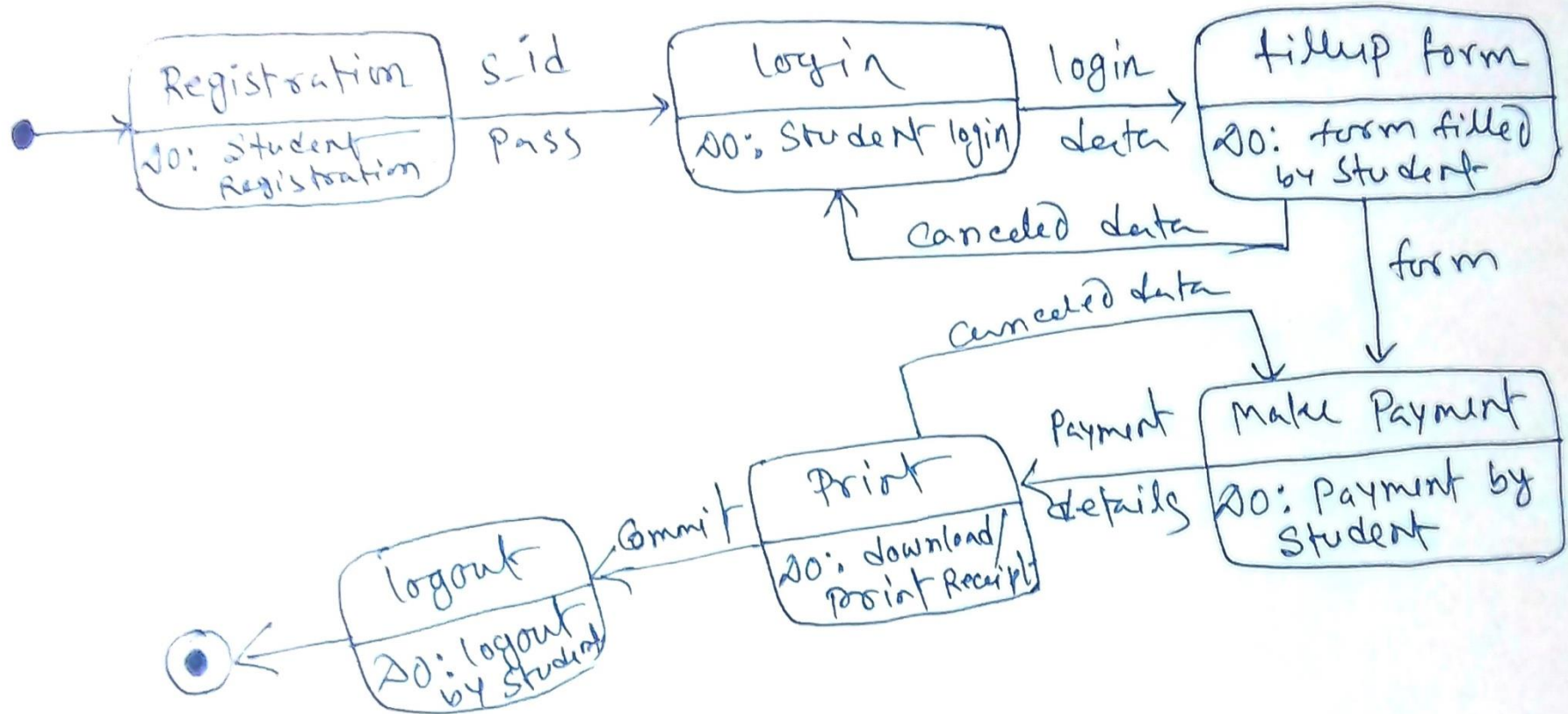**Symbols used in state chart diagram**

●   START

◉   END

State name
Do: action

Present state and activity

Input data →

Input for the next state

State chart diagram of
online form fill up system of a University

university form fillup System.

Registration
DO: Student Registration

— s_id / Pass →

Login
DO: Student login

— login / data →

fillup form
DO: form filled by Student

← Canceled data —

— form →

Make Payment
DO: Payment by Student

← Canceled data —

— Payment / details →

Print
DO: download/ Print Receipt

— Commit →

logout
DO: logout by Student

Thank you so much.

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