State Chart Diagram :- ① State ② Event ③ Transition ④ Decision Box ⑤ Initial / final state.


Name / Action — state

Initial state

⊙ ← final state
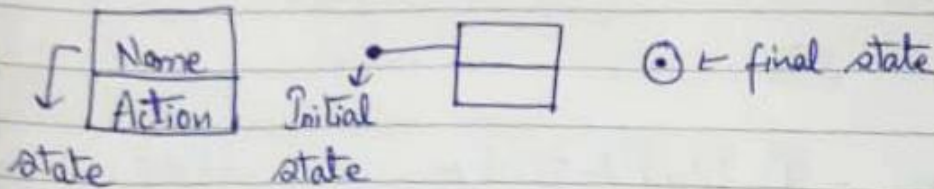
It is used to capture the behaviour of the software system. It can be used to model behaviour of class, package, subsystem or even an entire system. It is also called state machine / chart / transition diagram.

① state represent the condition of an object at instant of time. It is represen -ted by rounded rectangle shape.

③ The change from one state to another state is called transition.

⑤ A blank filled circle used to represent initial state. A blank circle with a dot used to represent final state.

Ⓧ Self Transition :- When state of object does not change upon occurrence of event called self transition state.

State 1
↓ activity 1
State 2
↓ activity 2
State 3
⊙

activity 1
↓
activity 2
⊙
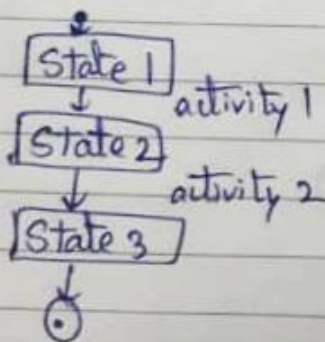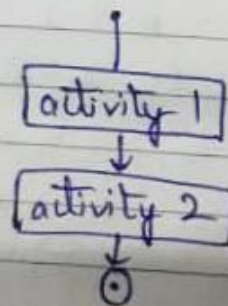
State chart Diagram	Activity Diagram

→ The primary difference b/w state transition and activity diagram that state chart diagram used to model reactive system while activity used to

model non reactive system.

- State chart focus on the internal and have to response to external events while activity diagram focus on sequency or activity involved in process and work flow.

Complex System → State Chart Diagram.
Simple System → Activity Diagram