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Aim :- To design stats & activity diagrams. software used draw.io .

Theory :- Stats chart diagram
State chart diagram model the dynamic behaviours of individual class or any other kind of object. State chart diagams are closely relations to activity diagrans. The difference is state chart are state centric. A state chart diagram is typically used to mode the discrete stages of analyets lifetime, whereas an activity diagram is better suited to mode the sequence of activities in a process.

Graphical depiction :- Newstate
Actions i) on entry ii) on exit iii) do
iv) On event graphical dipictions.
i) Start state - icon is small filled circle.
ii) End state :- iconic filled circle inside an infilled circle :-
State transition: It indicate that an object in the source state will perform certain specified actions & enter the destination state when a specified action & enter the destination state. When a specified next occurs or when certain conditions are satisfied. A state transition is a relationsh between two activities, two states or an activity & state.

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Graphical dipiction :- The icon for a state transaction is a line with an arrow head, pointing towards the destinition state or activity.

New state

Name :- You should label each state transition with the name of at least one event that causes the state transition.

Vasting states

States may be nested to any depth level. Enclosing state are refered to as super states & everything that lie within the bounes of the super state is referred as its contents.

Activity diagram :-

Activity diagram provides a way to model the work flow of a business process. You can also use activity diagrams to model case-specific information such as class operation the difference between activity diagram and activity centric white state diagram are activity centric, white are state centric.

Procedure :-

Activity diagrams can be made by many different types of workflows. For example, a company would use actually diagrams to model the flow of an approval of address or model the paper trail of increases.

Each activity represents the performance of a group of actions in a workflow. Once the activity is complete the flow to control mains the next activity or state through a transition. A unique activity diagram feature is a that defines who or what is responsibles for carrying out. the activity or state.

Conclusion :- Thus, understood activity & state diagrams.

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