

EXPERIMENT NO. 8

AIM: Develop a sequence and collaboration diagram for the project.

THEORY:

Sequence Diagram- It represents the flow of messages in the system and is also termed as an event diagram. It helps in envisioning several dynamic scenarios. It portrays the communication between two lifelines as a time ordered sequence of events.

In UML, lifeline is represented by vertical bar, whereas, message flow is represented by vertical dotted line that extends across bottom of flags.

Purpose of sequence diagram-

- to model high level interaction among active objects within a system.
- to model interaction among objects inside a collaboration.
- It either models generic interactions or some certain instances of interaction.

Notations in sequence diagram-

Lifeline, actor, activation, messages, note

Collaboration diagram- It is used to show the relationship between the objects in a system. Both the sequence and collaboration diagram represent the same information but differently.

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Instead of showing the flow of messages, it depicts the architecture of object residing in system as it is based on OOP. The collaboration diagram which is also known as communication diagram, is used to portray objects architecture in system.

Notations of collaboration diagram -
Objects, actors, links, messages.

CONCLUSION: Hence, we have studied about the concept of collaboration and sequence diagram and implemented the same for our project.

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