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.

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.
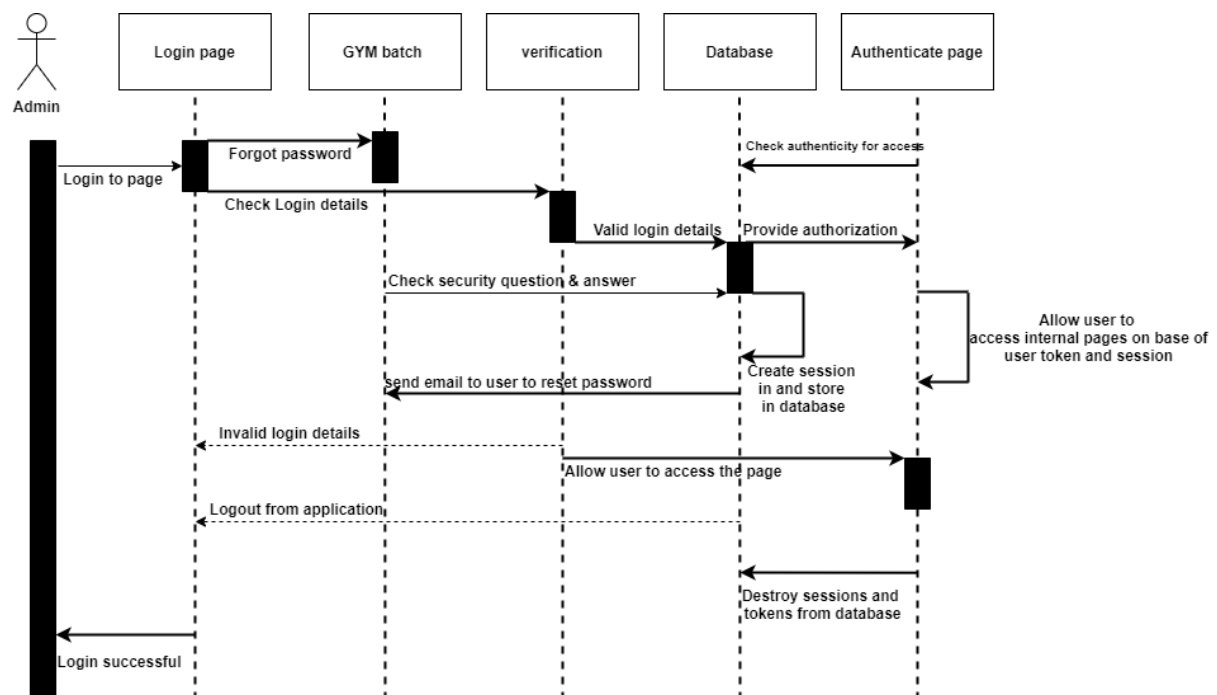
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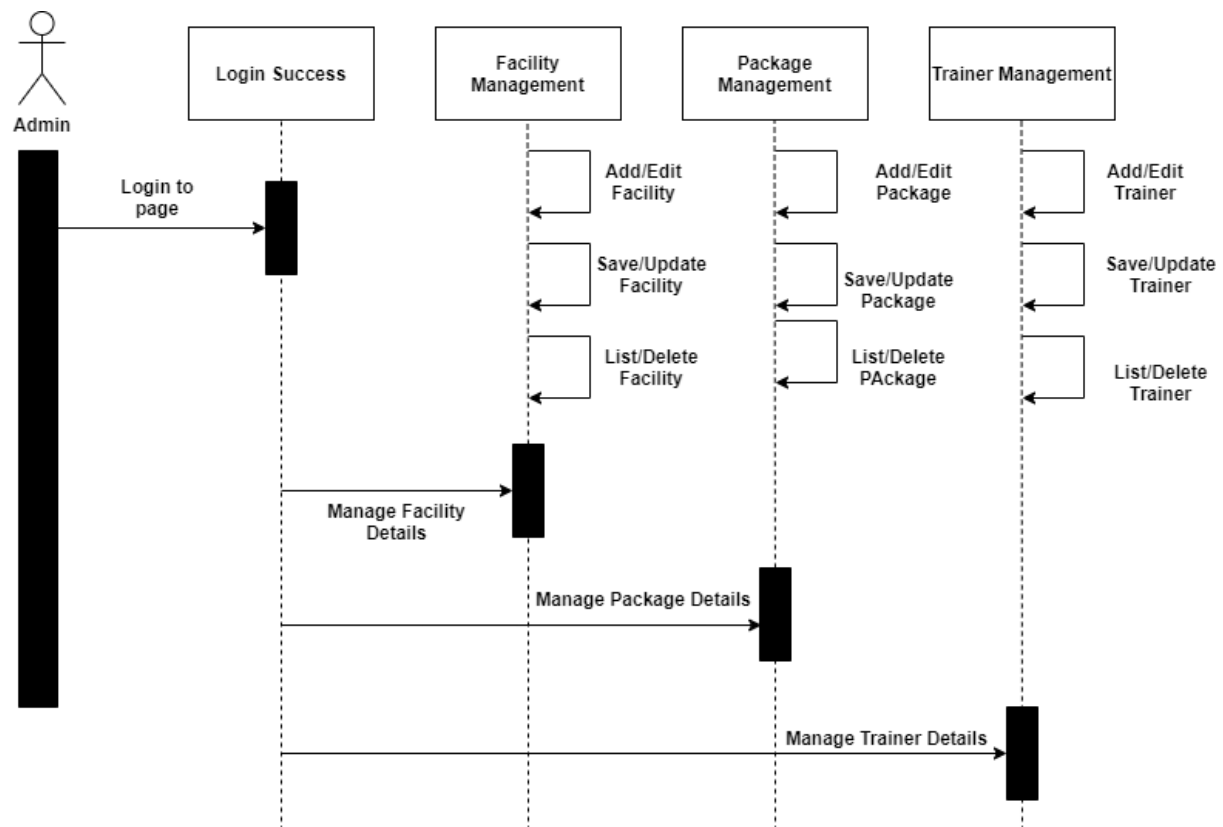
Project Name: GYM Management System

Team Members: Gunjan Bhawsinghka (04), Pratik Chainani (06), Laveen Dawani (10)

Sequence Diagram:

For Login:

For Management System:

Collaboration Diagram: