Experiment-5

Aim:

To prepare USE CASE DIAGRAM for Online Railway Reservation System.

Theory:

A use case diagram is a visual representation in software engineering that shows how users or external systems interact with a system or software application, using actors (representing users) and use cases (representing system functions). It helps depict the system's functionality and user interactions, aiding in requirements analysis and system design.

Actors:

Actors are external entities or users who interact with the system being modeled. They are represented as stick figures or icons. Actors initiate use cases and are essential for defining system boundaries.

Use Cases:

Use cases represent specific functionalities or actions that the system can perform.They are depicted as ovals or ellipses and labeled with descriptive names.Use cases help define the system's behavior and functionality.

Relationships:

Relationships show how actors and use cases are connected within the diagram.

There are three primary types of relationships:

- Associations: Lines connecting actors and use cases, representing a connection.
- Extends: Arrows indicating optional or exceptional behaviour that extends a use case.
- Includes: Arrows showing the inclusion of one use case within another.

Use-Case Diagram: