Experiment No. 3

Aim: To install STAR UML Software & draw the usecase diagram of Ticket booking system.

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Theory: What is STAR UML :-

STAR UML is a software engineering tool for system modelling using the unified modelling language.

STAR UML offers object oriented modelling capabilites language such as

i) Class Diagram
ii) Composite Structure diagram
iii) Composite diagram
iv) Object diagram
v) Package diagram

This provides maximum customization to the users environment by offering customization. Variable that can be applied in users s/w development methodology, project platform & language

Usecase: It is a visual representation of how a system interacts with the external entities such as user or other system

It helps to describe the functionality of a system from the perspective of it's users & outlines the different ways user can inter act with the system.
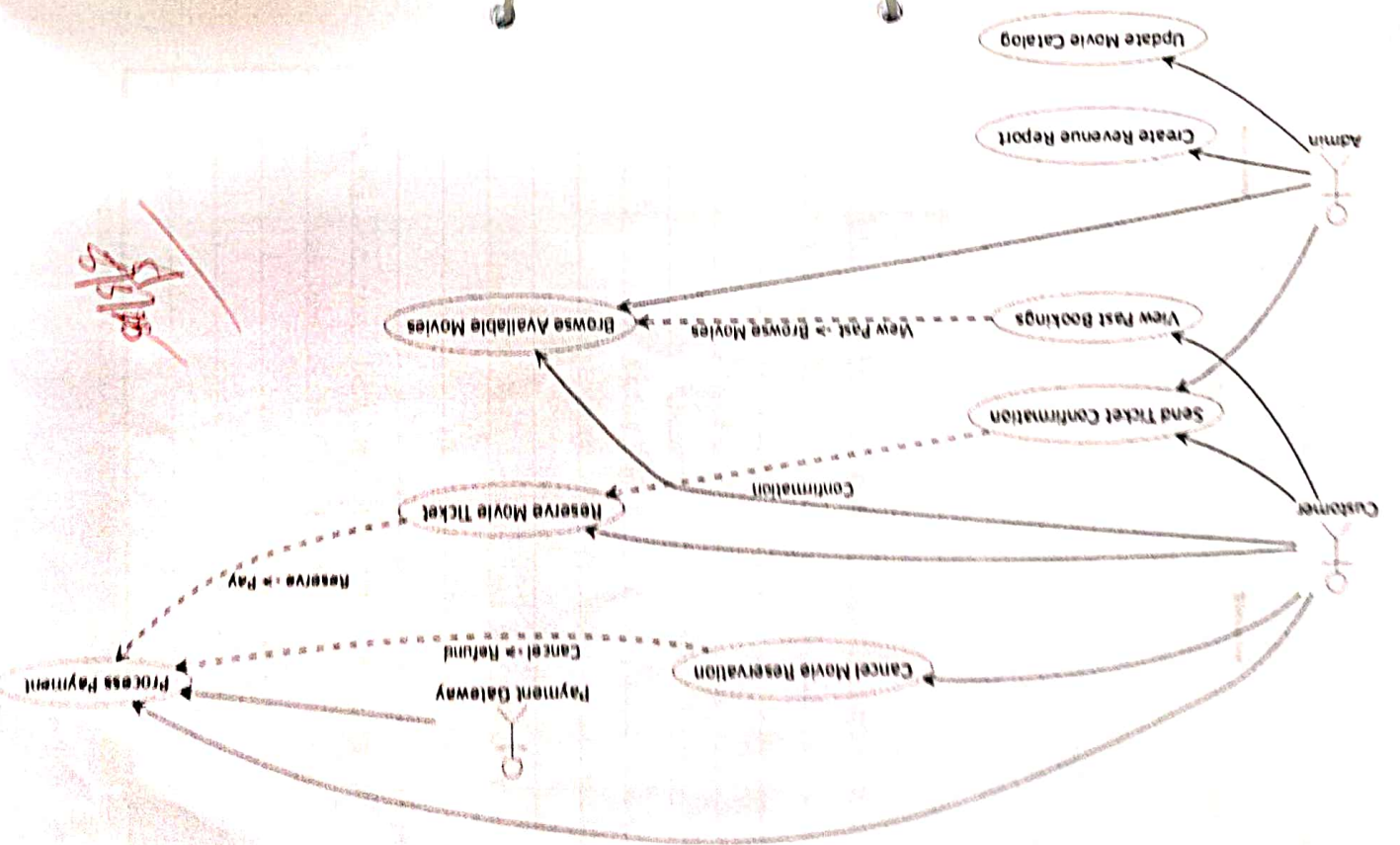
In a use case diagram, there are mainly 3 components :
i > Actors
ii > Use cases
iii > Relationship.

Actors are the external entities that interact within within the system.

Use cases : This represents specific functions or services the system provides to it's actors.

Relationships : These shows how actors & the use cases are connected.

Conclusion: The use case diagram for ticket booking system has been studied successfully.

Update Movie Catalog

Create Revenue Report

Admin

Browse Available Movies

View Past -> Browse Movies

View Past Bookings

Send Ticket Confirmation

Confirmation

Customer

Reserve Movie Ticket

Cancel Movie Reservation

Cancel -> Refund

Reserve -> Pay

Process Payment

Payment Gateway

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Ticket booking system :

In this s/w solution that allows customer to purchase tickets for movies

They typically function by providing an interface for user to search for available ticket based on specific criteria, such as the user data time & location

How ticket booking system generally works :

    i) User Interface (UI)
    ii) Back end processes
    iii) Conformation of tickets
    iv) Admin Pannel
    v) Additional features

Adding all facilities in use case diagram.

Conclusion : Use case diagram for ticket booking system has been studied successfully.