



Department of Software Engineering

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Course Title: System Analysis & Design Project

Course Code: SE 231

Submitted To: Md. Rashed Karim

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# **Project Title: Online Movie Ticket System**

## **Description:**

The planned new system will enable the hall staffs to defeat the inconveniences faced by the hall. In the new plan method, there is requirement for the storage space of movies name and serial number, name and address of the ticket buyers. Around will be no more time waste by waiting for buying tickets who utilize the hall. This program will also allow the user to add record, search record, display record and delete record of regulars. This system will also allow people can choice their own class way like 3D Or 2D and they will satisfy with the system since people now a days doesn't want to spend much of their time in every aspect of duty. Also the members can their seat like front seat or middle seat or back seat in easier way instead of them to be giving whatever receipt .or registering people manually this system will make them to do their work in a simple and cleared way which will make their work accurately and diligence. The system will help to people buy a ticket in online in any time.



# SRS Document for Online Movie Ticket System

## Features:

### 1. Administrator

- Sign-in
- Sign-up
- Handle Full Application

### 2. Hall Manager

- Sign-in
- Sign-up
- Add New Theater
- Log out



### 3. Customer

- Sign-in
- Sign-up
- Browse movie
- Browse theater
- Select Movie
- Select Theater
- Select Genre
- Select Language
- Select Movie Format
- Choose date & time
- Choose seats
- Select ticket quantity
- Payment
- Cancel ticket
- Log Out



## **Features Description:**

**Administrator:** Will handle full Application.

**Hall Manager:** will register when new theater will arrive. Administrator will give access to that.

## **Customer:**

- SIGN UP/SIGN IN to app using their email address & password.
- When Customer will enter to site we can see that movie dashboard.
- Then we will choose favorite movie
- Customer can search the city and select the city.
- Then he will select the movie genre.
- Select sort by popularity
- Select the language
- Select the movie format
- Select the Show Timings



- Search theater and choose theater.
- Search the movies
- Select the movie
- Select the date & time
- Select the ticket tickets quantity & auditorium
- View available Seats and select seats.
- Payment by Debit card, credit card or ATM card.
- Confirmation email.
- Logout from App.

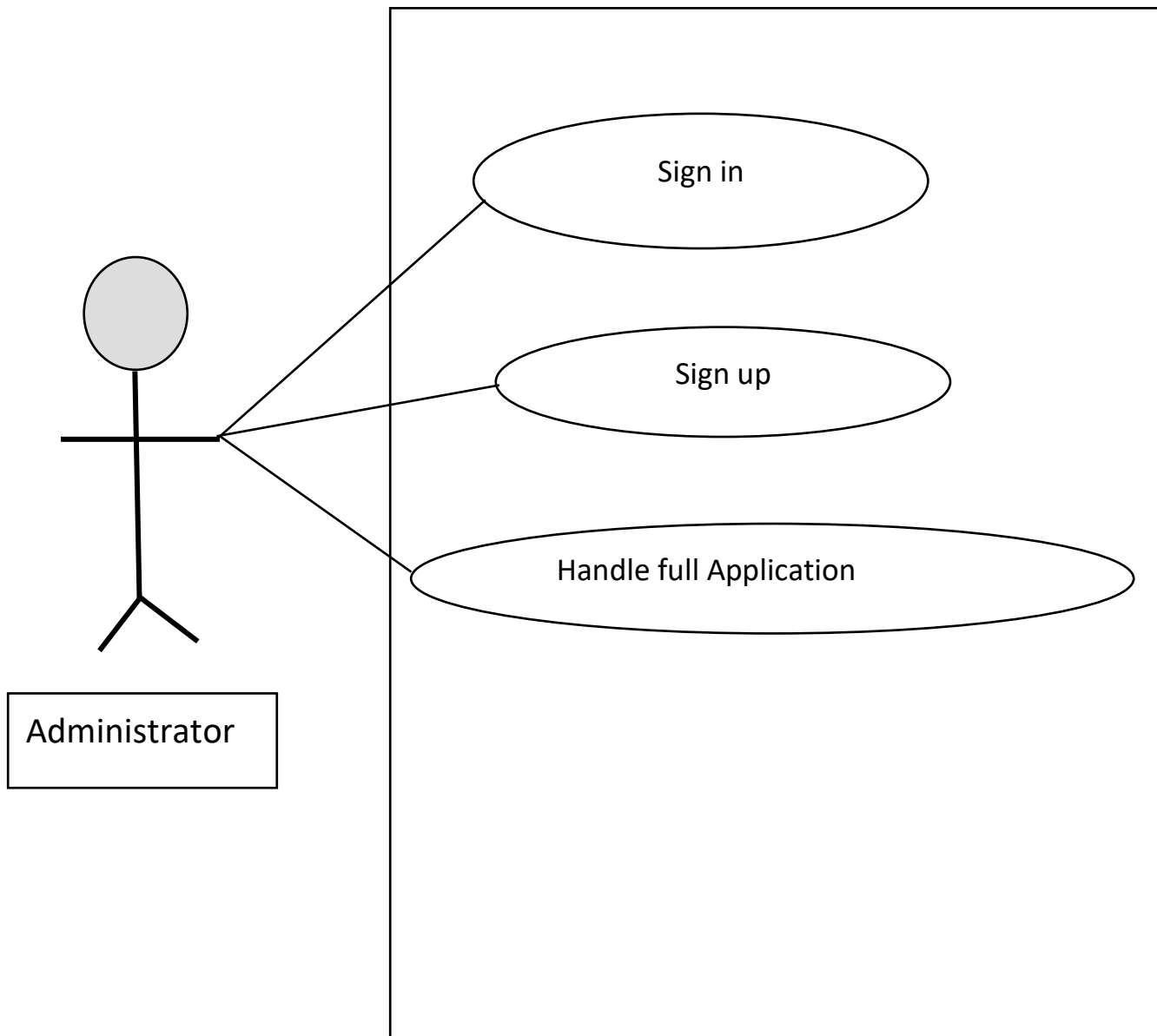
**Project Manager**

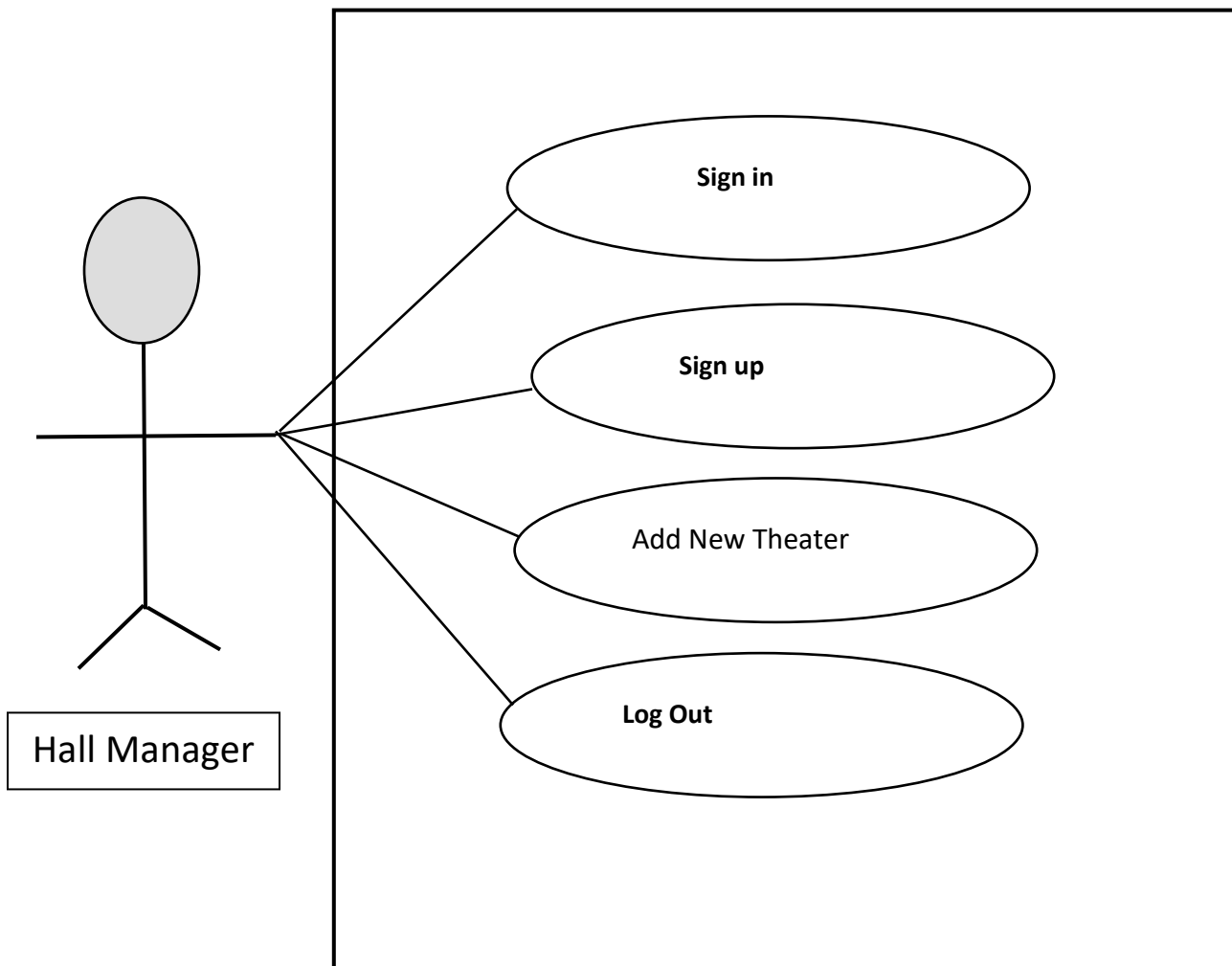
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**Client**

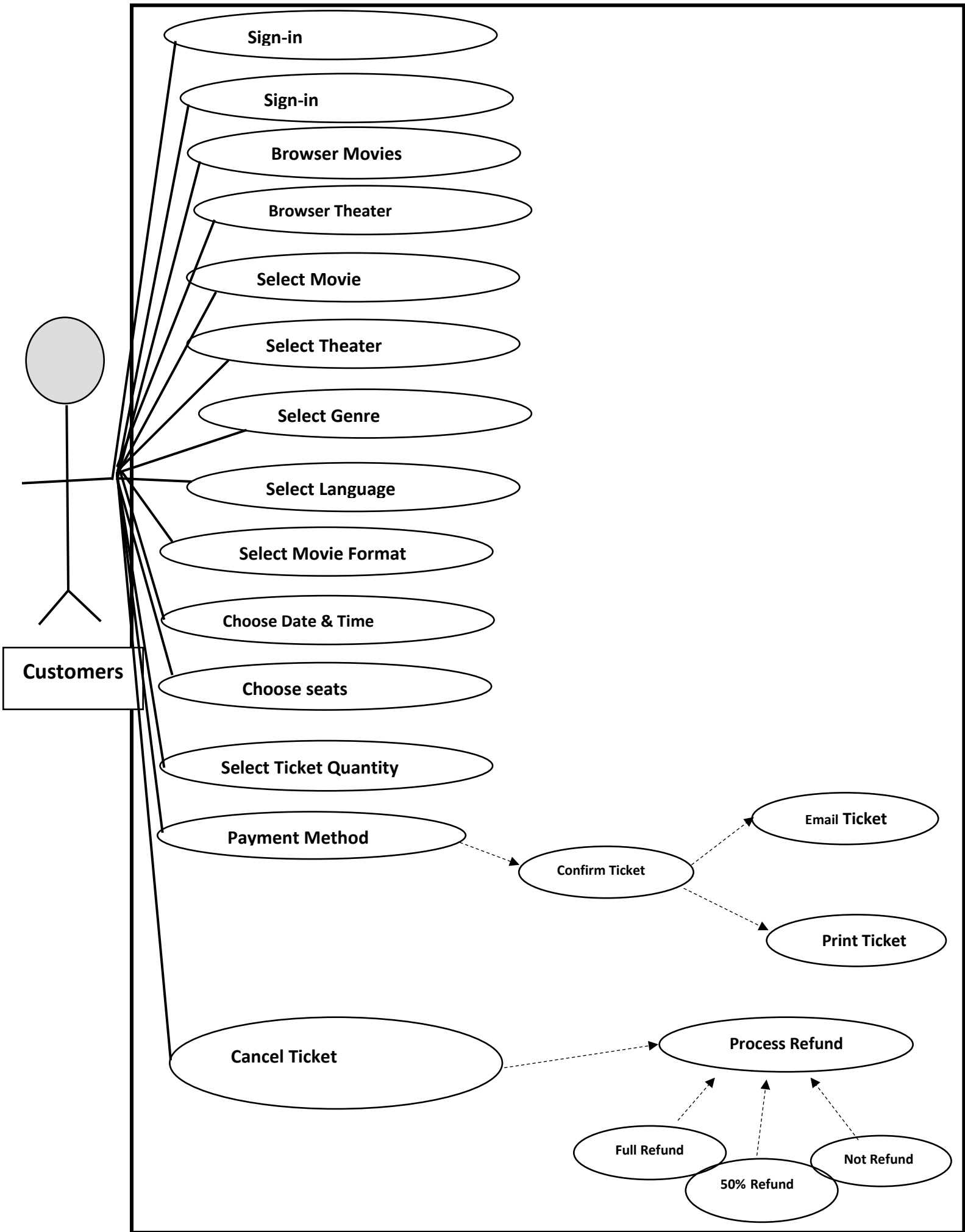
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## Use Case:









## Use Case Description:

<b>UC101</b>	Sign-in
<b>Actor</b>	Administrator, Hall Manager, Customer.
<b>precondition</b>	Before sign-in need to enter a system and also need to internet Connection.
<b>post condition</b>	After Sign-in all Actor works in this system.
<b>Normal Flow</b>	<ol style="list-style-type: none"><li>1. Administrator can handle full applications.</li><li>2. Hall Manager can sign-in.</li><li>3. Customers can sign-in.</li></ol>
Alternative flow	Username and password is wrong

<b>UC102</b>	Sign-up
<b>Actor</b>	Administrator, Hall Manager, Customer.
<b>precondition</b>	Before sign up need to enter a system and also need to internet Connection.
<b>post condition</b>	After Sign-in all Actor works in this system.
<b>Normal Flow</b>	<ol style="list-style-type: none"> <li>1. Administrator can sign up.</li> <li>2. Hall Manager can sign up.</li> <li>3. Customers must have sign up.</li> </ol>
Alternative flow	Username and password is wrong

<b>UC103</b>	Administrator Handle full application.
<b>Actor</b>	Administrator
<b>precondition</b>	Administrator must have an account to sign-in to the System.
<b>post condition</b>	After sign up and log in administrator can handle full application.
<b>Normal Flow</b>	<ol style="list-style-type: none"> <li>1. Administrator sign-in to System.</li> <li>2. Administrator Handle full application.</li> <li>3. System ask the password identifying who is editing the schedule.</li> </ol>
<b>Alternative flow</b>	<ol style="list-style-type: none"> <li>1. Password identifying does not match the authentic information.</li> </ol>

UC104	Movie
Actor	Customers
precondition	Customers must have an account to sign-up to the System.
post condition	After sign up and log in Customer can to see movie dashboard
Normal Flow	<ol style="list-style-type: none"> <li>1. Customers “log on” from the menu.</li> <li>2. Customers enter username &amp; Password.</li> <li>3. Customers click “log in” button.</li> <li>4. Customers select “ movie name” From the menu.</li> <li>5. Customers select “movie genre” from the menu.</li> <li>6. Customers choose “movie language” from the menu.</li> <li>7. Customers choose “movie format’ from the menu.</li> </ol>

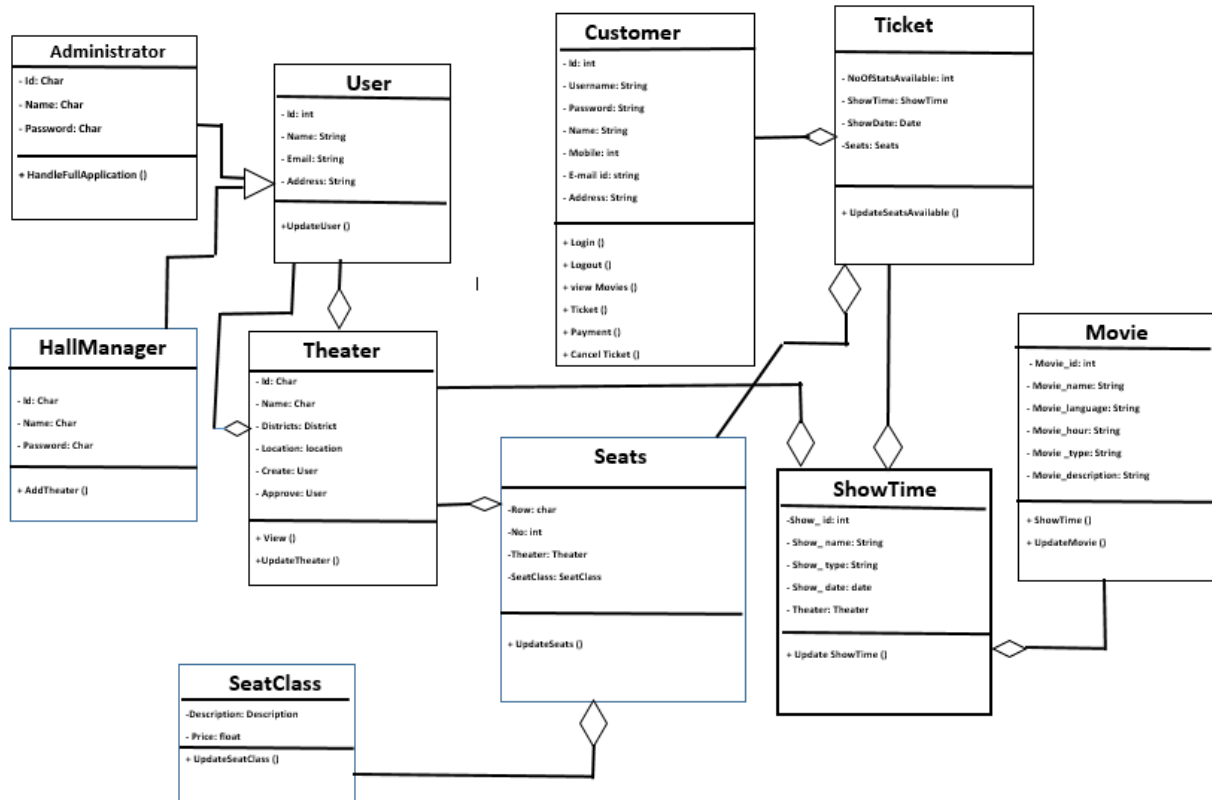
UC105	ShowTime
Actor	Customers
precondition	Customers are logged onto System.
post condition	Hall Manager must print out the ticket to the Customer.
Normal Flow	<ol style="list-style-type: none"> <li>1. Customers “log on” from the menu.</li> <li>2. Customers enter username &amp; Password.</li> <li>3. Customers click “log in” button.</li> <li>4. Customers select “choose date &amp;show- time” From the menu.</li> <li>5. System displays list of movies and date and time slots.</li> </ol>
Alternative flow	<ol style="list-style-type: none"> <li>1. System displays error message saying incorrect username or password when username or password is incorrect.</li> <li>2. System displays message saying server have some problem along with a reason for each failure.</li> </ol>

UC106	Customer books the choose seats & position via the website.
Actor	Customers
precondition	Customer must sign-up and sign-in to the online booking System.
post condition	Hall Manager must print out the ticket to the Customer.
Normal Flow	<ol style="list-style-type: none"> <li>1. Customers logs-in to the online website.</li> <li>2. Customers select movie, theater, seat, ticket quantity, date &amp; time.</li> <li>3. Customers choose the payment method that pay a ticket cost.</li> <li>4. System confirms the booking and sends a booking number to the Customer.</li> </ol>
Alternative flow	<ol style="list-style-type: none"> <li>1. System display error message saying incorrect username or password when username or password is incorrect.</li> <li>2. System displays message saying server have some problem along with a reason for each failure.</li> </ol>

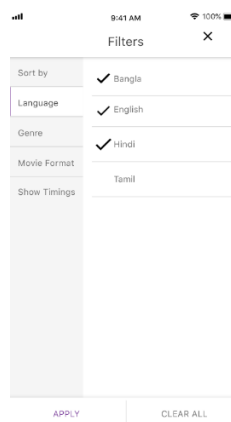
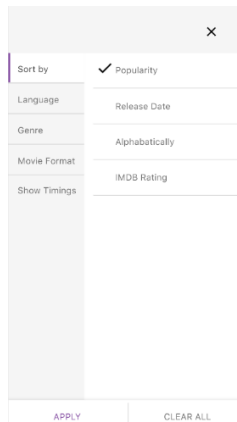
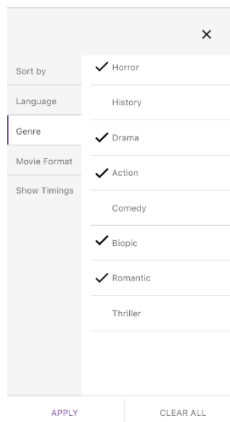
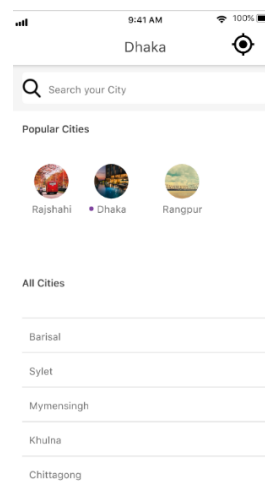
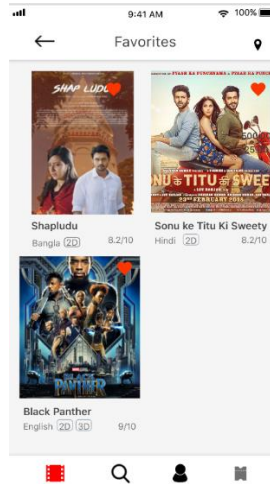
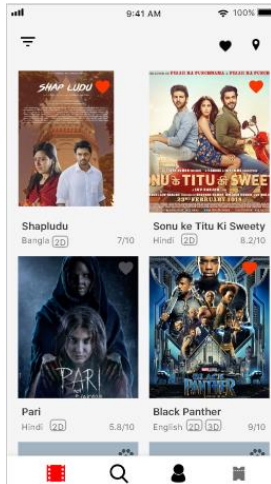
UC107	Payment
Actor	Customer
precondition	Customer are logged onto system and must have enough money to pay so customers can check money before. If they don't have enough money, they must fill money before.
post condition	Hall Manager must print out the ticket to the Customer.
Normal Flow	<ol style="list-style-type: none"> <li>1. Customers enter username and password.</li> <li>2. Customers click "log in" button.</li> <li>3. Customer select "payment" from the menu.</li> <li>4. System display the total Cost.</li> <li>5. Customer view and confirm to pay money.</li> </ol>
Alternative flow	<ol style="list-style-type: none"> <li>3. System display error message saying incorrect username or password when username or password is incorrect.</li> <li>4. System displays message saying server have some problem along with a reason for each failure.</li> </ol>



# Class Diagram:



# Layout:



Sort by

✓

2D

Language

✓

3D

Genre

4DX

Movie Format

ATMOS

Show Timings

IMAX

APPLY

CLEAR ALL

Filters

Sort by

Early Morning (10AM - 12PM)

Language

Evening (2PM - 8PM)

Genre

✓

Late Night (8PM - 11PM)

Movie Format

Show Timings

APPLY

CLEAR ALL

Search for movies

Trending Movies

shapludu

Sonu ke Titu ki Sweety

Black Panther


Bhaaghi 2

Padmaavat

9:41 AM

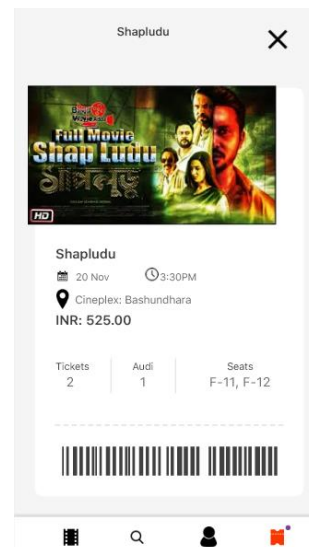
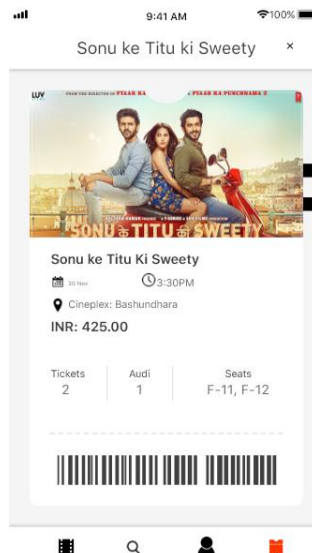
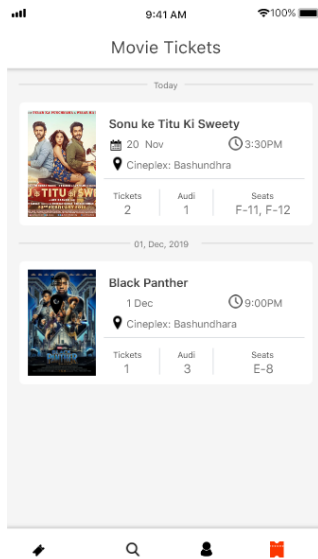
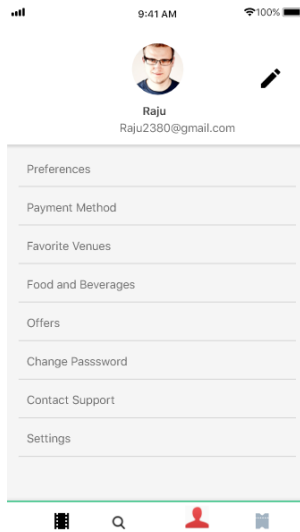
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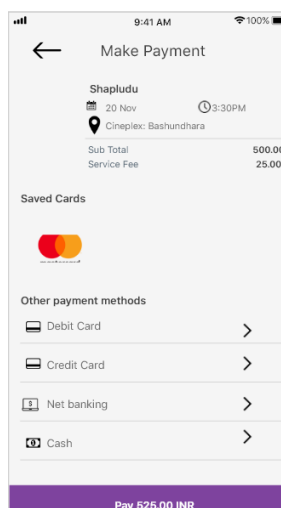
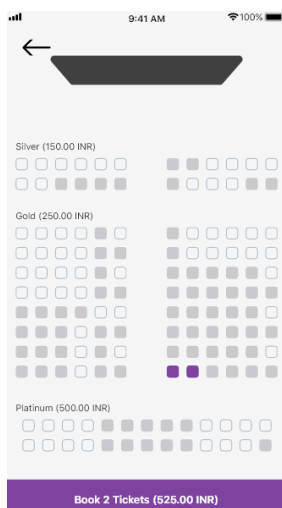
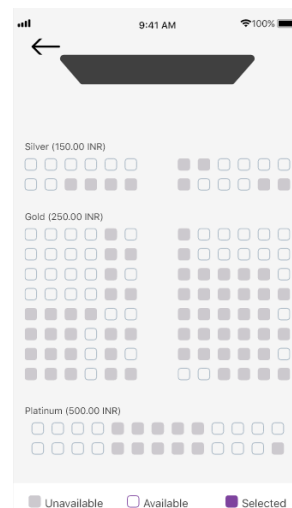
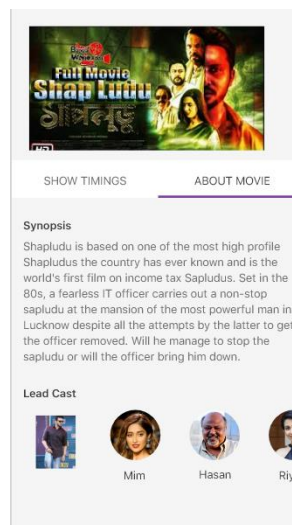
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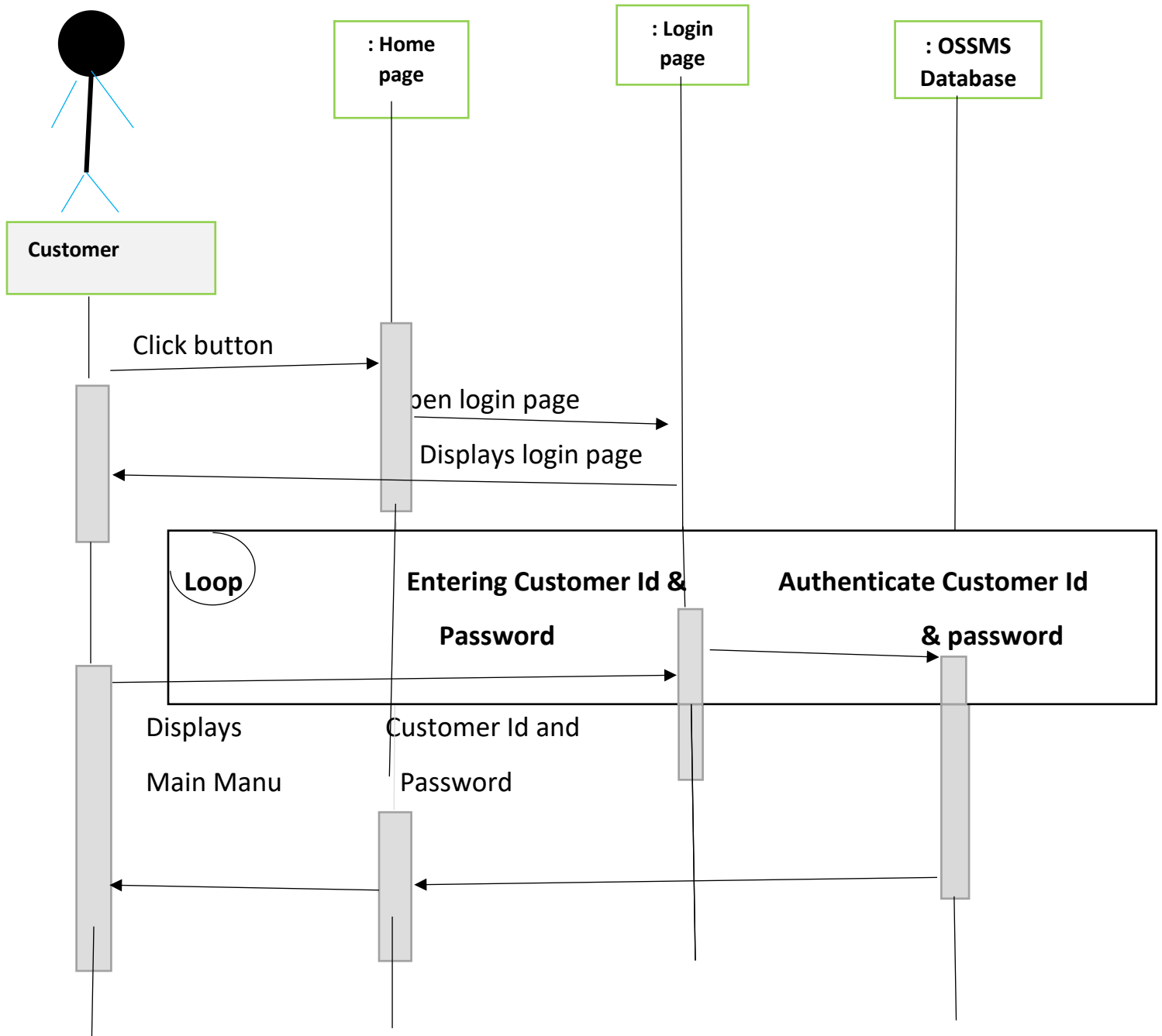
Shapludu

Bangla (2D)

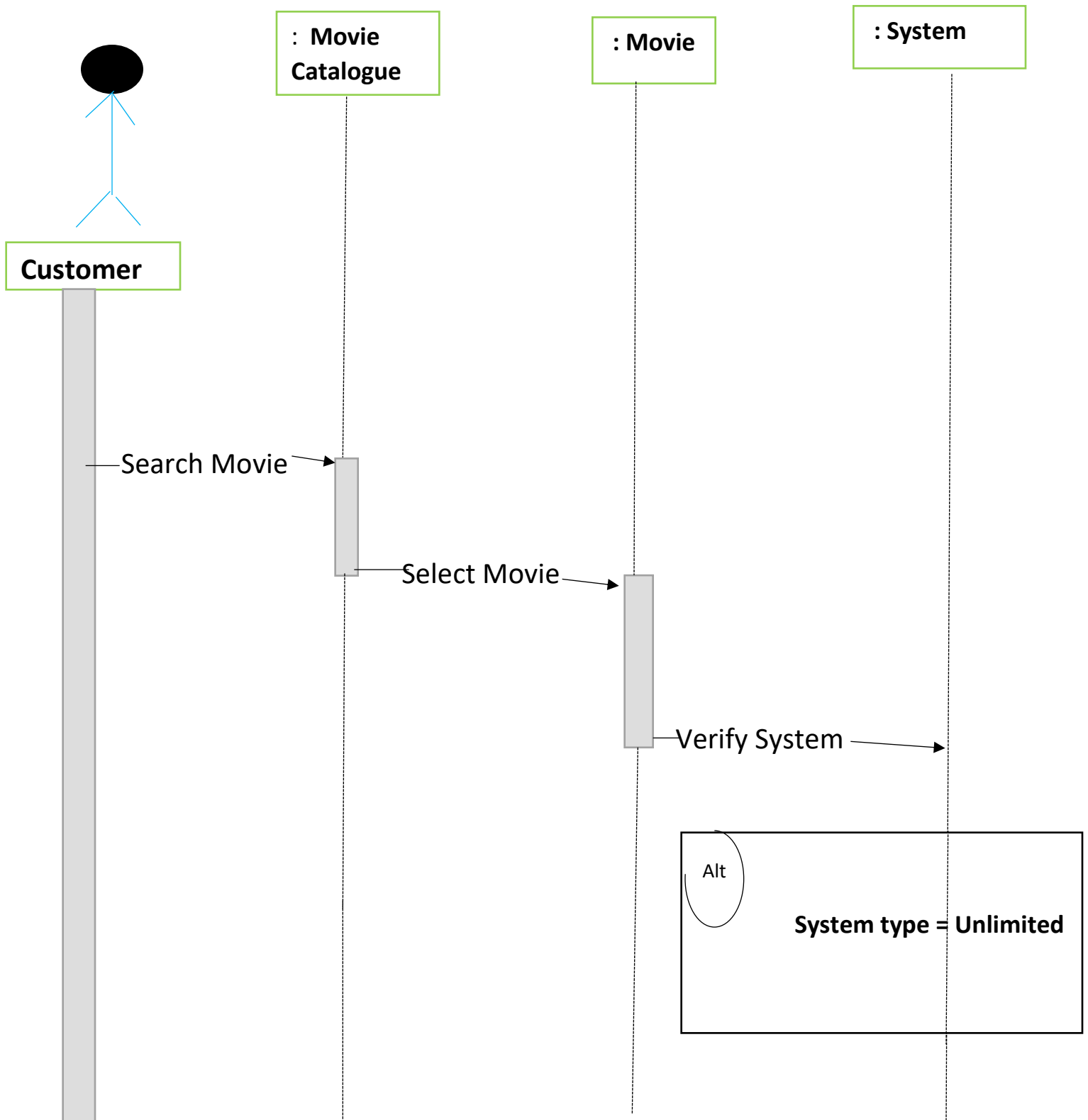




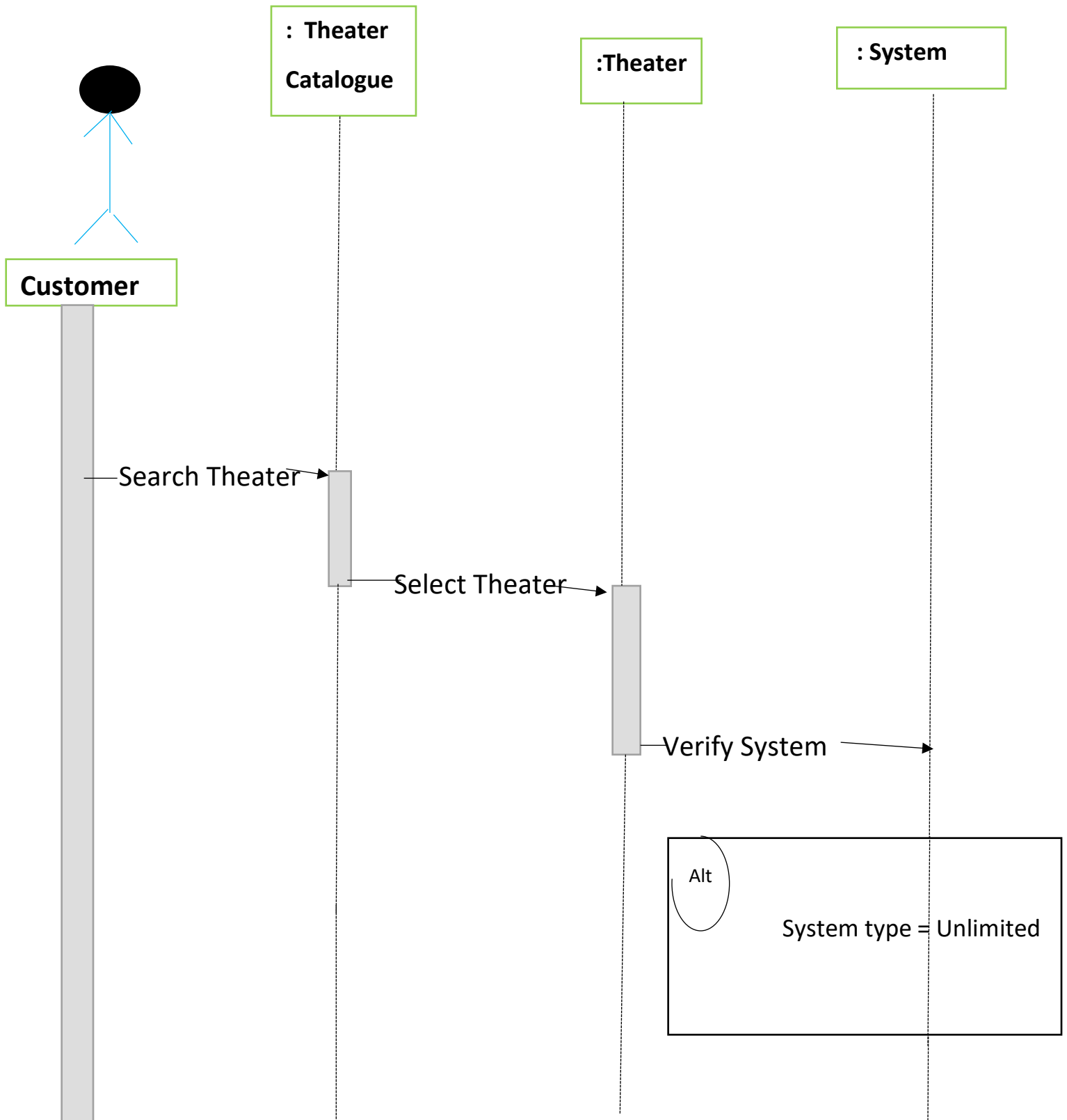
# UML Sequence Diagram (log in Process)



# Movie:

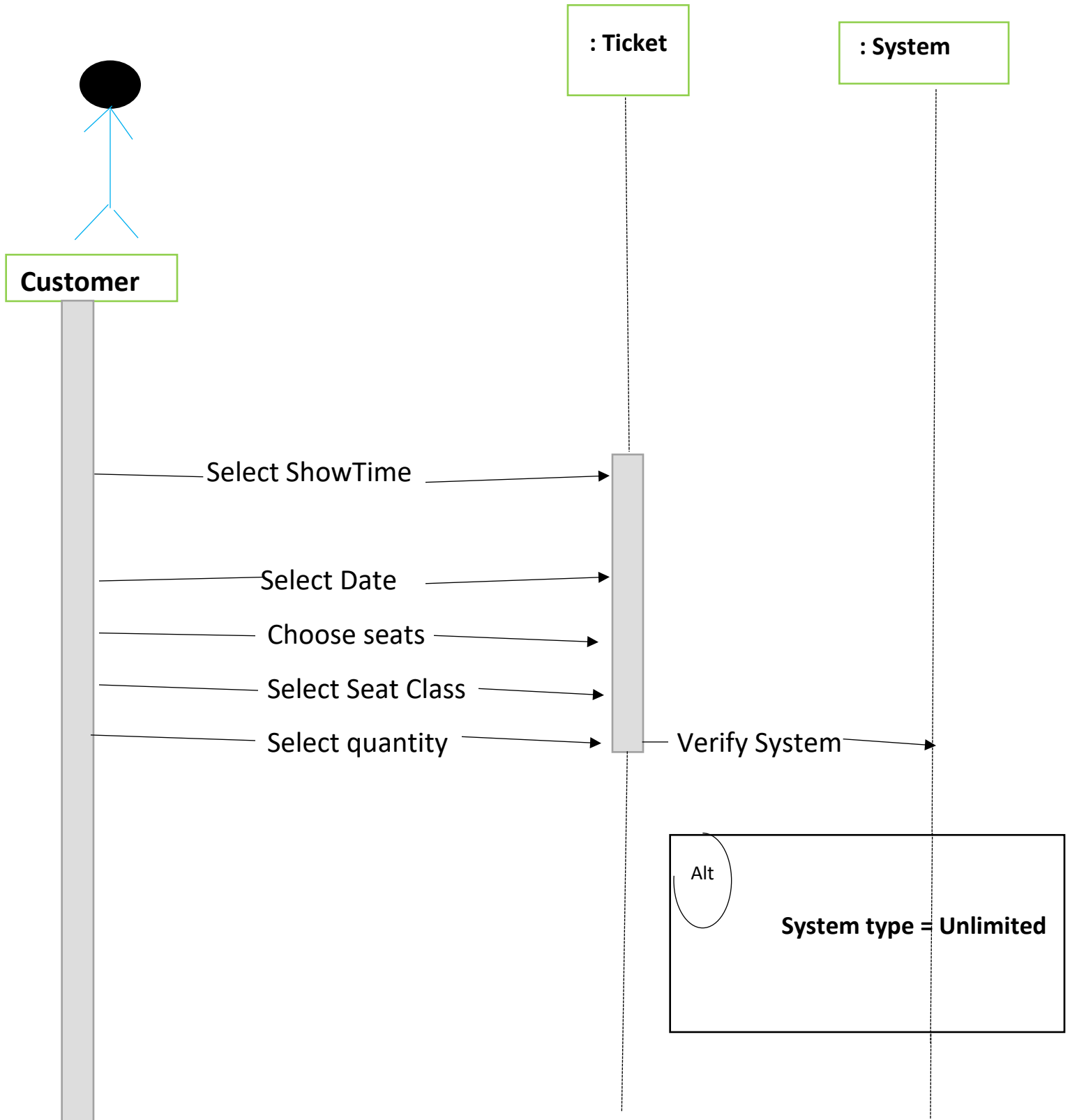


# Theater:

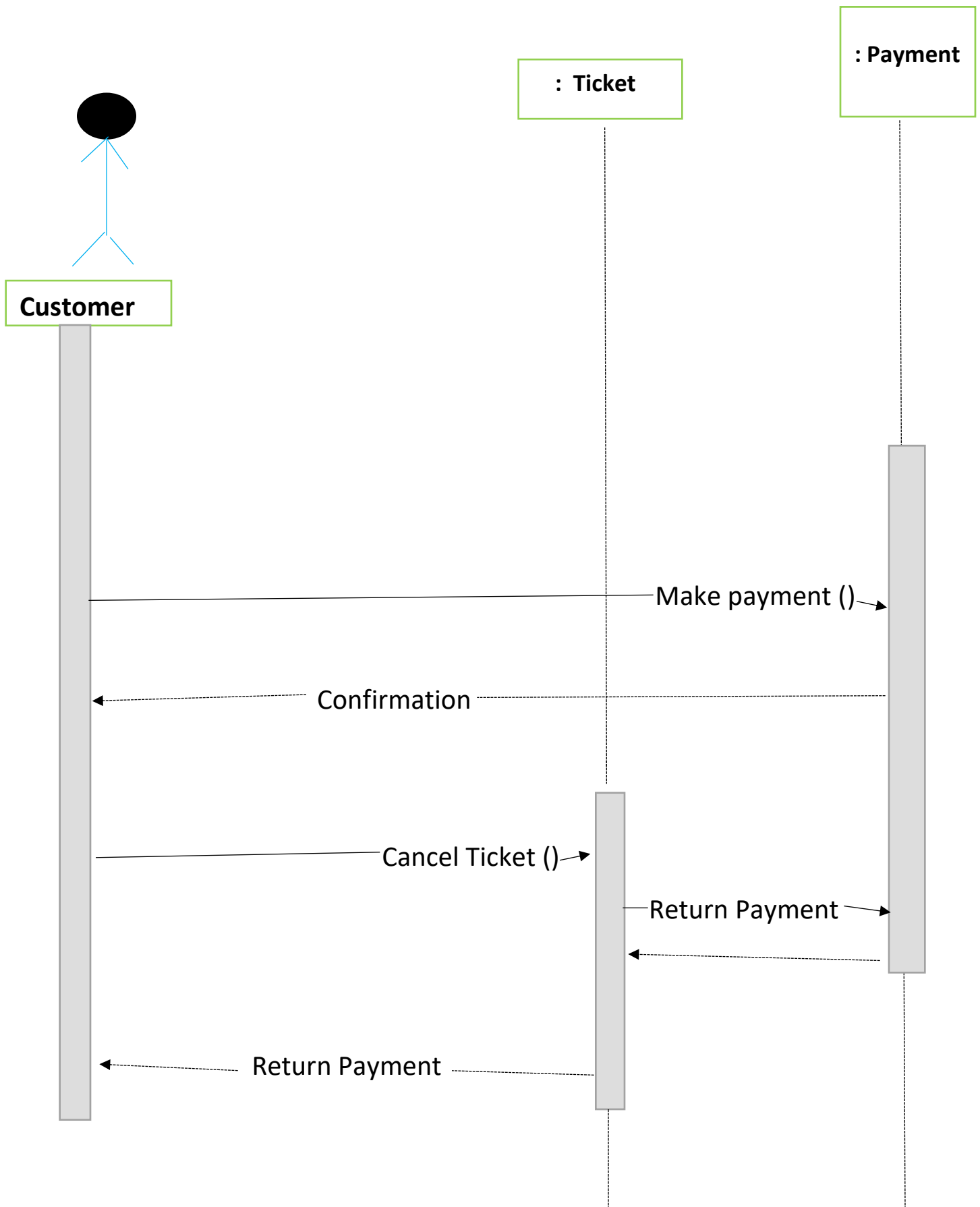




## Ticket:



## Payment:



# **ER Diagram & database Script:**

Create database Mortuza1;

Create table administrator (

ID int not null primary key,

Name varchar (50) not null,

ADpassword varchar (39) not null,

Designation varchar (30) not null

)

Select \*from administrator;

Create table Customer (CustomerID int not null primary key,

Name varchar (40) not null,

PhoneNumber varchar (40) not null,

Customeraddress varchar (40) not null

)

Select \*from Customer;

Create table Paymentsystem (

CustomerID int foreign key references Customer (CudtomerID),

MovieID int foreign key references Ticket (ticketID), amount int not null,

SeatClass varchar (30) not null

)

Select \*from Paymentsystem;

Create table Ticket (

TicketID int primary key, ADministratorID int foreign key references administrator (ID),

Seats varchar (30) not null,

ShowTime varchar (30) not null,

ShowDate varchar (30) not null

)

Select \*from ticket;

