ENSF 614

FINAL PROJECT

**Dec 4, 2022**

**Group 5 Team Members:**

**Steve Andersen**

**Chinwe Ajiejh**

**Muhammad Fahad Hussain**

**Mohammed Alhajjaj**

# **Use Case Scenarios**

**Select Movie:**

The Home Page has a number of options – The user can login as a registered user, sign up to be a registered user, or continue as a guest

The user either logs in or continues as a guest.

The user can search for the movie he wants on the Home page and when he finds the one he wants, The user can click on the “Buy Tickets” button associated with the movie banner.

After The user selects Buy Tickets, the system proceeds to the “My Tickets” page

**Select Theatre:**

The user has either logged in or continues as a guest.

The user has clicked on the “Buy Tickets” button for the movie he wants to see.

The system takes The user to the “My Tickets” page which shows the showtimes, locations (theatre), price, available seats, and offers (if any).

The user selects the theatre location that he wishes to go to

**Select Showtime:**

The user has either logged in or continues as a guest.

The user has clicked on the “Buy Tickets” button for the movie he wants to see.

The system has taken The user to the “My Tickets” page which shows the showtimes, locations (theatre), price, available seats, and offers (if any).

The user selects the showtime that he wishes attend.

**View Seat:**

The user has either logged in or continues as a guest.

The user has clicked on the “Buy Tickets” button for the movie he wants to see.

The system has taken The user to the “My Tickets” page which shows the showtimes, locations (theatre), price, available seats, and offers (if any).

The user views the available seats for that specific theatre and showtime.

**Select Seat:**

The user has either logged in or continues as a guest.

The user has clicked on the “Buy Tickets” button for the movie he wants to see.

The system has taken The user to the “My Tickets” page which shows the showtimes, locations (theatre), price, available seats, and offers (if any).

The user views the available seats and then selects the specific seat he wants.

**Confirm Selections:**

After the user selects a movie, theatre, showtime and desired seat, the system asks the user to confirm selections. If the user chooses to proceed, the system indicates that the activity is complete and takes the user to the next step; else it takes the user back to the previous step if the user’s choice is “not to proceed”.

**Checkout/ Make Payment:**

After the user confirms his selection, the user has the option to add another movie to his cart, increase/reduce the number of movie tickets. The user selects checkout and makes payment, and the system proceeds to the payment page. The user is asked to enter his payment details which are transmitted to the Billing Institution.

**Print/Email Receipt:**

Once payment is confirmed by the Billing Institution, a payment receipt is generated. The user can choose to send the receipt via email. If the user chooses to send the receipt via email, the system will request the user’s email. The system communicates with the email server which then transmits the receipt to the user’s provided email.

**Candidate Object List:**

The user

movie

Seats

showtime

theatre

receipt

tickets

e-mail

billing institution

payment

# **Diagrams**

## Use Case Diagram

Diagram

Description automatically generated

## State Transition Diagrams

Diagram

Description automatically generated

Diagram

Description automatically generated

Diagram

Description automatically generated

## State Interaction Diagrams

Diagram

Description automatically generated

Diagram

Description automatically generated

## Activity Diagram

Diagram

Description automatically generated

## Class Diagram

Diagram

Description automatically generated

## Model Class with Attributes Diagram

A screenshot of a computer

Description automatically generated with low confidence

## Package Diagram

Diagram

Description automatically generated

## Deployment Diagram

Diagram

Description automatically generated