

CSE 305 SOFTWARE ENGINEERING MIDTERM PROJECT

System requirements

XEZER TEAM

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CINETESS

1st question:

Project Topic: Movie Ticket Sale System

Business Rules:

Purpose: Our aim is to ensure that the customer receives the ticket from the ticket seller according to their choice .

Scope: This project makes it easier for the ticket seller to sell tickets to the customer. It contains all the details that should be included in a cinema ticket.

Constraint/Action:

BR 1.0- Only ticket sellers can create and sell tickets.

BR 2.0- Ticket seller needs username and password to enter the system.

BR 3.0- The customer who wants to buy ticket must be a member of the system.

BR 4.0- Ticket seller(user) and movies information can not be modified from the program, this information is added from the database.

BR 5.0- This program is created only for a specific cinema, not suitable for different cinema.

BR 6.0- This application is not intended for a movie theater chain.

2nd and 3rd questions:

Use Case:

Use Case Name: Movie Ticket Sale System

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Actors: Ticket Seller, Customer

Definition: This use case includes the scenarios about selling ticket and buying ticket.

First user story

Main Success Scenario:

- 1-It starts with the customer arriving at the ticket sales area
- 2-Ticket seller logs into automation
- 3-Ticket seller selects movie, session, seat and number of tickets information according to customer request
- 4-The ticket seller shows the customer the seat layout from the screen
- 5-The customer chooses from the empty seat (as many as the number of units the chooses)
- 6-Ticket seller gives price info to customer
- 7-The customer makes payment (cash or credit card)
- 8-Ticket seller prints tickets through automation.
- 9-The customer receives their tickets from ticket seller.

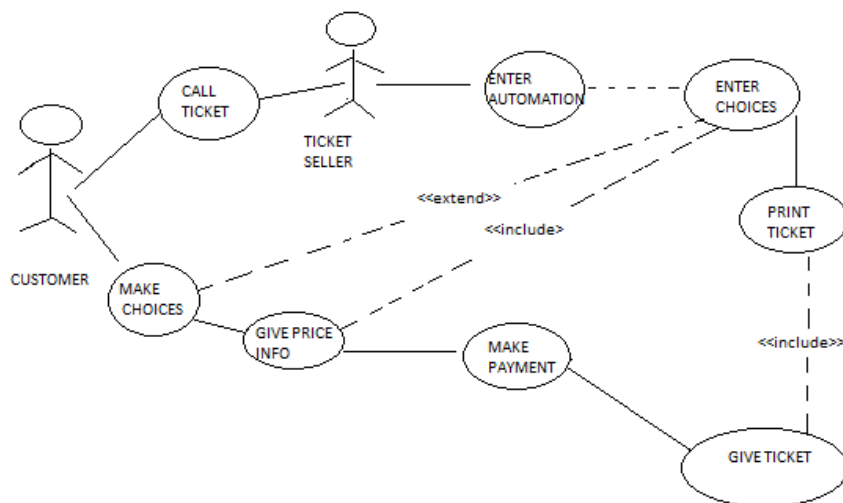
Second user story

Alternative Success Scenario:

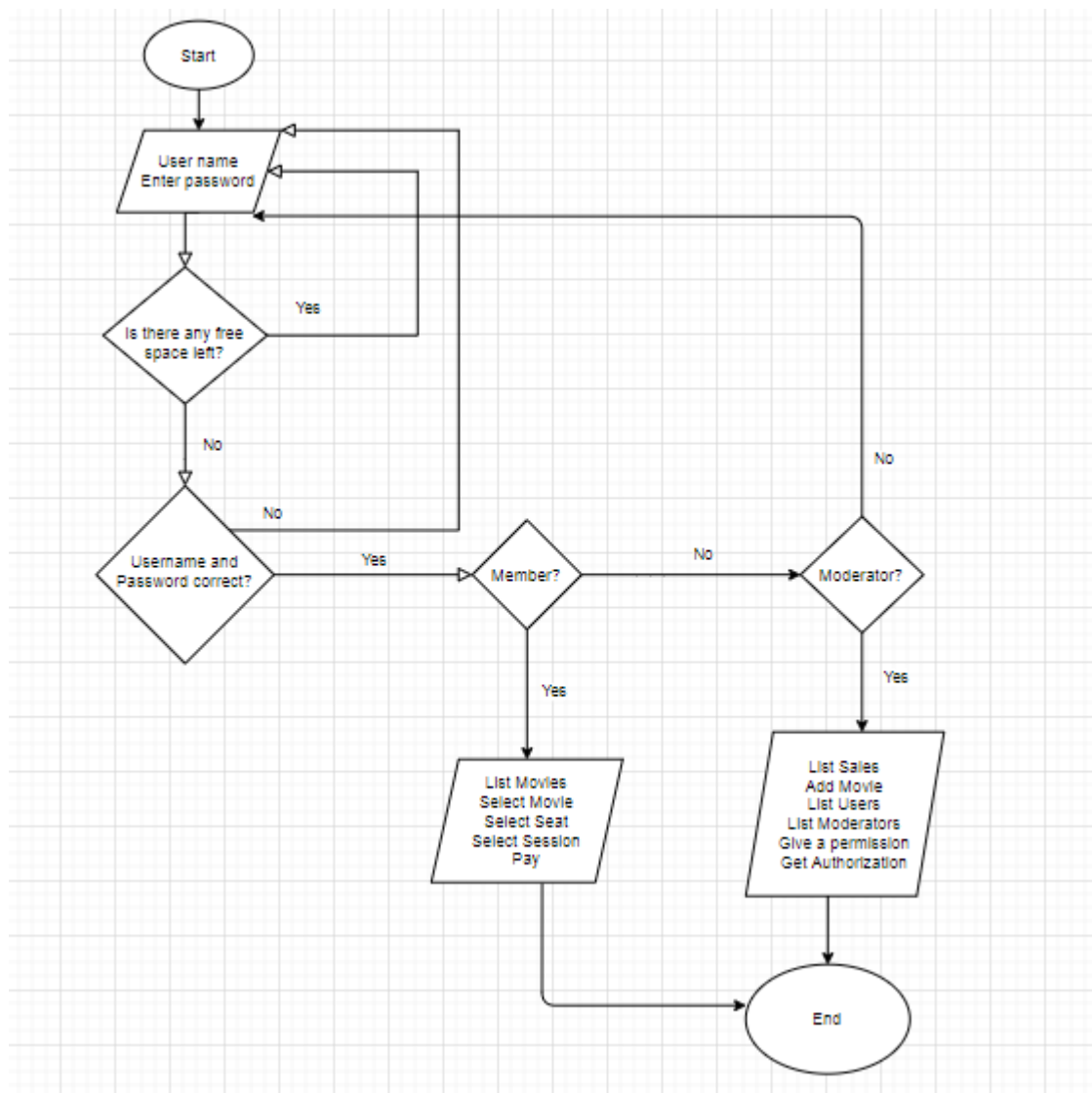
If 4.step is not working or according to customer desire, you must use alternative scenario:

- 1-The customer/ must arrive at ticket sales terminal
- 2-Customer selects the desired film and session from the terminal.
- 3-The customer selects the number of tickets from the terminal.
- 4-The customer chooses from the empty seats (as many as the number of units the chooses)
- 5-The terminal returns price information to customer.
- 6-The customer places the money in the chamber and makes the payment.
- 7-If there is remainder,the customer gets the remainder from the chamber.
- 8-The customer receives tickets printed from terminal.

Use Case Diagram:



User and Moderator Flowchart:



4th and 5th questions:

Our project has very big or complex user stories. Our first and second user stories are epic. And our two user stories can be decomposed into smaller user stories. And each user story, can be parsed.

6th question:

Glossary:

TERM	DEFINITION AND INFORMATION
Movie	Shows information about the movie (name, duration, type, saloon etc.)
Ticket	Combines values that help us create a ticket
Customer	The customer variable holds the customer's information
User	The user variable communicates between the interface and the user
People	Holds stars data and directors data