Cinema Management and Booking System – Customer Registration

Name:
Customer Registration

Description:
This use case covers the process of a user registering an account

Actors:
Customer

Triggers:
The use case is triggered by the customer actively registering an account.

Preconditions:
Before this use case is completed, make sure the account information is not already registered

Postconditions:
After this use case is completed, customer can log in through this account.

Courses of events:
Basic course of events:
    1. The customer submits personal information
    2. The system records customer information
Exceptional course of events:
    1. The customer submits personal information
    2. System information has been registered
    3. Prompt customers

Extension Points:
None.

Inclusions:
None.

Cinema Management and Booking System – Customer Login

Name:
Customer Login

Description:
This use case covers the process of a user logging into an account.

Actors:
Customer

Triggers:
The use case is triggered by the customer actively logging into the account.

Preconditions:
Before this use case is completed, Make sure the account information is registered.

Postconditions:
After this use case is completed, customer logs in to the main window of the system.

Courses of events:
Basic course of events:
1. The customer submits the account and password to log in
2. System verification succeeded
3. Jump to the main page

Exceptional course of events:
1. The customer submits the account and password to log in
2. System verification failed.
3. Prompt customers resubmit information

Inclusions:
None.

Cinema Management and Booking System – Customer Viewing movie information

Name:
Customer Viewing movie information

Description:
This use case covers a user's viewing of movie information.

Actors:
Customer

Triggers:
The use case is triggered by the customer taking the initiative to view the movie details.

Preconditions:
None.

Postconditions:
After this use case is completed, show all the information about the movie.

Courses of events:
Basic course of events:
      1. Customers select the movie they want to view
      2. The system displays movie information to the customer

Extension Points:
None.

Inclusions:
include poster, title, duration, director, protagonist, release time, brief introduction.

Cinema Management and Booking System – Check ticket information

Name:
Check ticket information

Description:
This case is used to query basic ticket information.

Actors:
Customer

Triggers:
Use cases are proactively triggered by customers who want to view ticket information

Preconditions:
The customer successfully logs in to the system

Postconditions:
If the query succeeds, go to the next step

Courses of events:
Basic course of events:
There will be a movie screening on the day
1. The user checks the movie schedule
2. The user checks the sales volume of each movie session
3. The user checks the ticket price of each movie

Exceptional course of events:
There is no movie showing on the day
1. Page display "There are no film screenings currently scheduled"

Extension Points:
None

Inclusions:
- Schedule
- The number of sales in the current session
- Ticket price

Cinema Management and Booking System – Ticket purchase

Name:
Ticket purchase

Description:
This use case mainly realizes the customer's ticket booking service;

Actors:
Customer

Triggers:
Use cases are proactively triggered by customers who want to book tickets

Preconditions:
The customer successfully logs in to the system.

Postconditions:
If the ticket purchase is successful, proceed to the next step

Courses of events:
Basic course of events:
There are movie screenings scheduled that day
1. The customer chooses the time of the movie
2. Customer chooses a seat

Extension Points:
None

Inclusions:
Display data

Cinema Management and Booking System - Order information manager

Name:
Order information manager

Description:
This use case mainly realizes the query and operation of the customer's relevant information on the order.

Actors:
Customer

Triggers:
Use cases are proactively triggered by customers who want to view or modify order information

Preconditions:
The customer successfully logged in to the system.
The customer successfully purchased the ticket.

Postconditions:
If the customer initiates a request to modify the order information, the request is passed to the administrator for processing

Courses of events:
Basic course of events:
1. Customers view order information
2. The customer changes and refunds the ticket

Exceptional course of events:
The current customer has no order information
1. The page displays "There is currently no order information"

Extension Points:
none

Inclusions:
- check order
- Refund
- Change

Cinema Management and Booking System – Administrator Account Registration

Name:
Administrator Account Registration

Description:
This use case is used to register an account with movie booking administrators.

Actors:
Cinema administrators

Triggers:
Administrator access page for registration.

Preconditions:
New users access the system

Postconditions:
None

Courses of events:
Basic course of events:
1. The user visits the registration page.
2. The user in the registration page, enters the username, password and other relevant information
3. Clicks submit after meeting the requirements.

Exceptional course of events:
1. When the input information is incorrect, the system returns to the registration page.

Extension Points:
System response: System validates whether the input information meets the requirements. After confirming the information, register the account.

Inclusions:
None

Cinema Management and Booking System – Administrator Login

Name:
Administrator Login

Description:
This use case is used for the administrator to log in to the cinema reservation system.

Actors:
Cinema administrators

Triggers:
Administrator login page for registration

Precondtions:
The user wants to enter the system

Postconditions:
None

Courses of events:
Basic course of events:

1. The user visits the login page.
2. The user in the login page, enters the username, password and other relevant information
3. Clicks submit after meeting the requirements.

Exceptional course of events:

1. When the input information is incorrect, the system returns to the login page.

Extension Points:
System response: The system verifies that the entered information is consistent with the information in the background database.

If everything is OK, user can access the system.

Inclusions:
None

Cinema Management and Booking System – Cinema Information Management

Name:
Cinema Information Management

Description:
This use case is used by administrators to add, modify, and delete movie information.

Actors:
Cinema administrators

Triggers:
The administrator found that the movie information needs to be changed. (new movies are released, old movies are removed)

Precondtions:
The actual movie information has changed

Postconditions:
The administrator can add, modify, and delete movies on the movie information page, so that users can browse and reserve.

Courses of events:
Basic course of events:
1. The user visits the cinema information page.
2. The user adds, modifies, and deletes system movie information based on actual movie information (Poster, title, duration, Director, protagonist, Release time, Brief introduction) Clicks submit after meeting the requirements.

3. Click the upload button to update the system information when the actual movie information changes.

Exceptional course of events:

1. The movie information entered by the administrator is incorrect. As a result, customers' understanding of the movie is incorrect.

Extension Points:
The movie information entered by the administrator is incorrect.

Inclusions:
(Poster, title, duration, Director, protagonist, Release time, Brief introduction)

Cinema Management and Booking System – Cinema Facilities Manager

Name:
Cinema Facilities Manager

Description:
This use case modifies the number of rows, columns, and theater types of seats, as well as the type of screening room (IMAX, etc).

Actors:
Administrator

Triggers:
Available seats will be reassigned when the screening hall is renovated or there is an emergency (e.g. epidemic control).

Precondtions:
The administrator successfully logs in to the system.

Postconditions:
Go to the next step.

Courses of events:
Basic course of events:

1. Modify the type of screening room (IMAX, etc.).
2. Modify the number of rows of seats.
3. Modify the number of columns of seats.

Extension Points:
None

Inclusions:
Screen information modification

Cinema Management and Booking System – Ticket Information Manager

Name:
Ticket Information Manager

Description:
This use case covers the movies' schedules and modification as well as tickets price arrangement and modification.

Actors:
Administrator.

Triggers:
The administrator found that the actual ticket information for the movie had changed.

Precondtions:
The administrator successfully logs in to the system.

Postconditions:
Go to the next step.

Courses of events:
Basic course of events:
1. Arrange different times and different screens for films.
2. Arrange different ticket price according to different films and different time

Extension Points:
None

Inclusions:
Schedule and modification
Fare arrangement and modification

Cinema Management and Booking System – Order Information Manager

Name:
Order Information Manager

Description:
This use case can check

Actors:
Administrator

Triggers:
User order information update, as well as the administrator artificial initiative view orders.

Precondtions:
The administrator successfully logs in to the system.

Postconditions:
Go to the next step.

Courses of events:
Basic course of events:
1. The administrator initiative check order information.
2. When a user initiates a request for ticket change or refund, the administrator processes the request.
3. When there is an accident in the cinema, or the user orders corresponding to the movie times, seats are abnormal, the administrator takes the initiative to refund the user ticket.

Extension Points:
None

Inclusions:
View orders
Process refund requests
Refund (initiative)