1. User selects usertype

When user opens the system, the system asks the user to select the user type. If a user registered with the system before, the system has his information recorded, and he will be able to proceed with usecase 2. If the user is not registered before, he is an ordinary user and will proceed with usecase3.

1. Registered User reserves the seat prior to public announcements
   1. Before public announcement of a movie, a registered user receives information for the movie, and he reserves his seats. He successfully reserves his seats as less than 10% of the seats have been reserved.
   2. The registered user wanted to reserve his seats prior to public announcement of a movie, he is unable to do so because it is too late, and more than 10% of the seats are reserved.
2. User selects for a theatre

The user logs in to the application, searches, or browse for theatres that are available around his/her location. Then  the user selects one theater that he/she wants to watch the movie at.

1. User selects for a movie

The user enters the app and searches/brows for movies available, then select a movie that he wants to watch.

1. User selects movie show-time

The user selects a showtime for a movie that he wants to watch at.

1. View and select the seat

The user selects the seat that he/she wants to sit in for the movie. The system displays the GUI for all the seats in the theatre, with available seats shown in white, and occupied seats shown in grey. The user is able to pick any seats that are colored in white, and the system will print row and column number after the user selects the seat.

1. Purchase the ticket and check out

The system asks the user to select his financial institute, enter user-information, enter card-information. When he submits the payment, the system confirms the completion of the process. The system sends the confirmation and a receipt to his/her email address.

1. User cancels the ticket

1)The user successfully cancels the ticket if he cancels up to 72 hours prior to the show. If the user is the ordinary user, he receives a credit with 15% administration fee for future ticket purchase. If the user is a registered user, he will not be charged for administration fee and will get the full credit. However, the credit has a maximum of 1-year for expiration.

2)The user wanted to cancel the ticket, but he was not able to successfully cancel it because it is within 72 hours of the show. The system prints an error message when the user tries to do so.

1. Registered user gets charged for $20 annual fee

The registered user gets charged for $20 annual account fee every year.