

# **ABSTRACT**

## **Cinema Ticket Reservation System**

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### **Objective:**

This project is aimed at developing an online ticket reservation system for cinema halls. The ticket reservation system is an internet based application that can be accessed throughout the net and can be accessed by anyone who possesses a net connection. This application will automate the reservation of tickets. This online ticket reservation system provides a website where any internet user can access it.

### **Proposed System:**

The proposed system is a web based application where one can buy tickets with just one click. Any person who will want use our app must register. A registered user will then be able to sign in using his credentials and browse movies and various cinema theatres. He will also be able to shortlist movies based on date, time and location. He will then be able to choose movies, theatres and choose seats that are not already occupied. Then after choosing his quantity he can proceed to pay using various methods from which he will be able to print his ticket or email his ticket.

Also, in the proposed system:

Customers can cancel seats at a suitable time, two or three days before the show. To cancel his tickets he will be given a confirmation details regarding his cancellation.

As the customer buys tickets online through his credit card, on cancellation of tickets the refunded amount (30% of the amount will be charged for service charges) will be added back to his credit card account. However, the cancellation of the tickets can be performed, only if the theatres themselves allow it.

To enhance the refund function, all the customers have to register and become a member, before buying tickets so that he faces no problem while accessing the website.

The theatres themselves will register and provide sufficient representations, along with a schedule, on the application interface. Every theatre willing to be part of this forum must pay a subscription fee. A registered theatre will be able to add movies, modify movie details, remove movies and also release/freeze seats in their respective theatres. The application administrator will also be able to do the same.

### **Modules(Actors and their functionalities):**

The actors of the proposed system are as follows:

1. Application Administrator
2. New User
3. New Cinema
4. Registered User
5. Registered Cinema

The functionalities of the corresponding actors are as follows:

1. The application administrator is responsible for managing the whole database of movies, users and cinemas. He can:
  - a. Add or remove a user
  - b. Release or freeze seats
  - c. Add, remove or modify movies and cinema information
  - d. Login/Logout to the system, with administrator privileges
2. New users are those who have not been registered into the users database. They can:
  - a. Browse existing cinemas/movies
  - b. Register to buy tickets
3. New cinemas are those cinemas who have not been registered into the cinema database. They can:
  - a. Enroll, by paying a subscription
  - b. Set up a web-page for displaying their representation
4. Registered users are those users who have already been recorded in the users database. They can:
  - a. Login/Logout to the system
  - b. Browse existing cinemas/movies
  - c. Buy tickets to movies
  - d. Cancel tickets/ Obtain refund for cancelled tickets
5. Registered cinemas are those cinemas who have already been registered into the cinemas database. They can:
  - a. Modify pricing on their movies
  - b. Modify movie schedule
  - c. Release/freeze seats
  - d. Login/Logout to the system
  - e. Approve/Reject cancellation of tickets