



## DATABASE MANAGEMENT PROJECT REPORT

- ❖ Group Number: 12
- ❖ Title: Booking Movie Ticket
- ❖ Instructor name: PM Jat
- ❖ Group Members Table:

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# **Movie Ticket Booking Application**

- **Introduction:-**

Here, We make a system for booking movie tickets online. It helps customers find out about new and current movies, their ratings, showtimes, where the cinemas are, what types of movies they are, how many tickets are left, and how much they cost.

- **Problem:-**

The old-fashioned method for booking a movie ticket is that the customer goes to the specific theater where the desired movie is playing and stands in queue and buy the ticket for the movie. This will become more difficult for a person. To overcome this problem, we make this application.

- **Scope:-**

The "Online Movie Ticket Booking System" is a website where you can book tickets for movies anytime, day or night, from anywhere in the world. You can also check out what movies are playing now or coming soon, as well as the showtimes. Plus, you can see all the details of movies. When you find the movie and showtime you want, you can easily book your tickets. And if you prefer, you can pay for your tickets online using a credit card.

- **Types of people who use the app:**

1. **Buyers:** These are the customers who purchase movie tickets.
2. **Sellers:** These are the owners of the theaters where the movies are shown.
3. **Surfers:** These are people who visit the app without logging in.

- **Scenarios for Unregistered Users:**

- People who visit the website without signing up or logging in can only browse and view movie details. However, to purchase tickets, they must register.
- Search for movie tickets using different criteria like the movie title, rating, actors, genre, etc.
- See details about available movies such as trailers, cast, and summaries.
- Compare ticket prices for the same movie from different nearby theaters, focusing on theaters with good ratings from other users.

- **Use Cases - Sellers**

1. Register
2. Add and Manage Movie Ticket Details

### **Seller Registration:**

Before sellers can use the site, they must sign up. Sellers must be organizations, like theaters, and have a valid license. To register, sellers need to give their license ID, theater name, email, password, and location.

### **Adding and Managing Movie Ticket Details:**

Various information is utilized to describe each movie ticket, including the theater's name and location, show time, price, discount, hall number, seat number, date and time, and contact phone number.

The theatre's owner can adjust prices and discounts based on the show time. For instance, the price of a movie ticket might be lower for morning shows compared to evening screenings.

Additionally, the theatre's owner can make modifications to the ticket details.

#### **➤ Buyers' Use Cases:**

1. Register
2. Modify Personal Details
3. Search for Movie Tickets
4. View Movie Details
  - Buy Ticket
  - Cancel Ticket
  - Rate the Movie and Theater Experience
  - Leave Review Comments

### **Buyer Registration**

For all buyers registration is required while registering they provide the following information:

Username, Email, Phone Number, Address(optional), Birth-date, Gender

## **Search Movie Tickets**

Users can search for present and upcoming movie tickets by Movie Title, Rating, Cast, Category/Type, Language, and Release Date.

Users can also be notified about upcoming movies.

## **View Movie Details:**

Users can watch a trailer of the movie. There's a summary including the movie's title, poster, cast (actors, director, producer), duration, budget, etc. Users can also see ratings and comments about the movie left by other viewers.

## **Buying / Canceling Tickets:**

Users can pick a movie, theater, or showtime, and then choose which seats they want from the available ones.

Users can also cancel their tickets. If they do, they'll get back 80% of their money.

## **Rating and Comments:**

After watching the movie, users can give it a rating and share their thoughts about their experience.

## **Required Data**

- This Database contains information about movies, cast, rating, genre, duration, release date, trailer, review, etc.
- It also has information about theatres like address, seating capacity, rating, screens and their timings, etc.
- It also includes available tickets, prices, discounts, classes, seat numbers, etc.
- It also stores user information like name, email, phone number, address, payment type, and transaction details.
- It includes ratings and comments given by the user.

## SUMMARY :-

- **Challenge**

1. First we have decided to make our database for a single theatre but to get wide perspective we have integrated all the theatres for user friendliness.
2. The main challenge lies in how users book tickets, considering that each theater has multiple screens, and each screen hosts various shows. Users can book multiple tickets for each show.
3. The ticket prices for one screen in a theater vary depending on the showtime. For example, prices are higher at night compared to in the morning.
4. A user can book multiple tickets for one or more shows using a single user ID.

- **Extra efforts**

1. Extreme team work
2. Meetings in vacation
3. Doing meeting in exam time periods

## LEARNING:

- Through this project we come to know that how a real life project is implemented in industry.
- Any project can not be done by a person it need a team work.
- Any database project has a sequence of stages like first we have to ideation, then we have to implement conceptual model of it (ER – Diagram) after that ER-Diagram is implemented on any SQL server and Relational Schema is made.