

**23CCE212**

**DATABASE MANAGEMENT SYSTEMS LABORATORY**

Project Report on

**Movie Ticket Booking System**

Submitted by

**Dinesh Karthik V CB.EN.U4CCE23008**

Mugilan S S CB.EN.U4CCE23026

S M Veankata Krishnan CB.EN.U4CCE23042



Department of Electronics and Communication Engineering,

Amrita School of Engineering,

Amrita Vishwa Vidyapeetham,

Coimbatore, India -641112.

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## **Abstract**

In the modern digital era, traditional or conventional method of booking movie tickets such as standing in long queues is not feasible, inefficient and time-consuming. This project aims to develop a Movie Ticket Booking System, a web-based application that enables users to seamlessly book movie tickets, select seats and make payments from the comfort of their homes. The system aims to enhanced the customer experience by introducing a new feature that can be used to cancel a ticket and rebook the ticket for the same movie for a different show on the same date without any convenience fee or charges. The technology stack includes Database – MySQL; Backend – Express.js, Node.js; Frontend - HTML, CSS, JavaScript. The system features and functionalities include User Registration/Login, Movie Listings & Show Timings, Seat Selection, new cancellation policy, payment, secure and encryption for passwords. The Movie Ticket Booking System simplifies the ticket reservation process, providing a smooth and secure booking experience for users while assisting theatre administrators in efficient ticket management. Future enhancements could include movie recommendations based on previous history and reviews, mobile app development, and multi-language support to further enhance user experience.

## Motivation

In today's fast-paced world, traditional movie ticket booking methods—such as standing in long queues or relying on manual reservation systems—are outdated and inefficient. With the increasing demand for digital solutions and contactless services, a Movie Ticket Booking System is essential to enhance user convenience, streamline operations, and improve the overall movie-going experience. In the present conventional way, if a user wants to cancel, they often must go through a long process of refund and rebooking separately. Unlike traditional booking systems, our platform introduces an innovative cancellation and instant rebooking feature. We have tried to build a system that not only improves user experience but also optimizes operations for theatres, making up for revenue losses due to refunds.

## **Objectives**

- To provide a user-friendly Movie Ticket Booking System which is an efficient and secure platform for booking movie tickets.
- To implement a user-authentication system, ensuring secure login, user-account protection.
- To automate the movie ticket reservation process, so that human errors can be avoided.
- To allow users to track seat selection and availability for user preference and convenience.
- To enable cancellation and rebooking functionalities, giving users flexibility in case of change of plans.
- To enhance security measures, preventing fraudulent activities such as double booking or unauthorised access.
- To support multiple theatres and screens ensuring that the system is scalable.

# **Introduction**

In today's modern world, the traditional methods of booking movie tickets are highly inefficient. With the raising demand for convenience, automation and updating cancellation terms, a Movie Ticket Booking System is essential to improve user experience and streamline ticket management.

This system aims to improve the overall user experience by allowing customers to browse movies, check seat availability, and instantly book tickets. Additionally, it introduces a unique ticket cancellation and rebooking feature, allowing users to switch to another showtime on the same day based on seat availability without any additional charges or fees – something not commonly offered in traditional booking systems.

## **Basic Working of the System**

- User Registration & Login**

New users can create an account or existing users can log in using their respective credentials. Secure authentication is ensured for data privacy and security.

- Movie Selection & Seat Booking**

Users can browse available movies, select one and move ahead to pick for a preferred theatre and showtime. Seat selection and availability, users can choose their seats and proceed with booking.

- Payment Processing**

Users can proceed to Payment, secure payment is ensured to assure safe transactions

- Ticket Cancellation & Rebooking Feature**

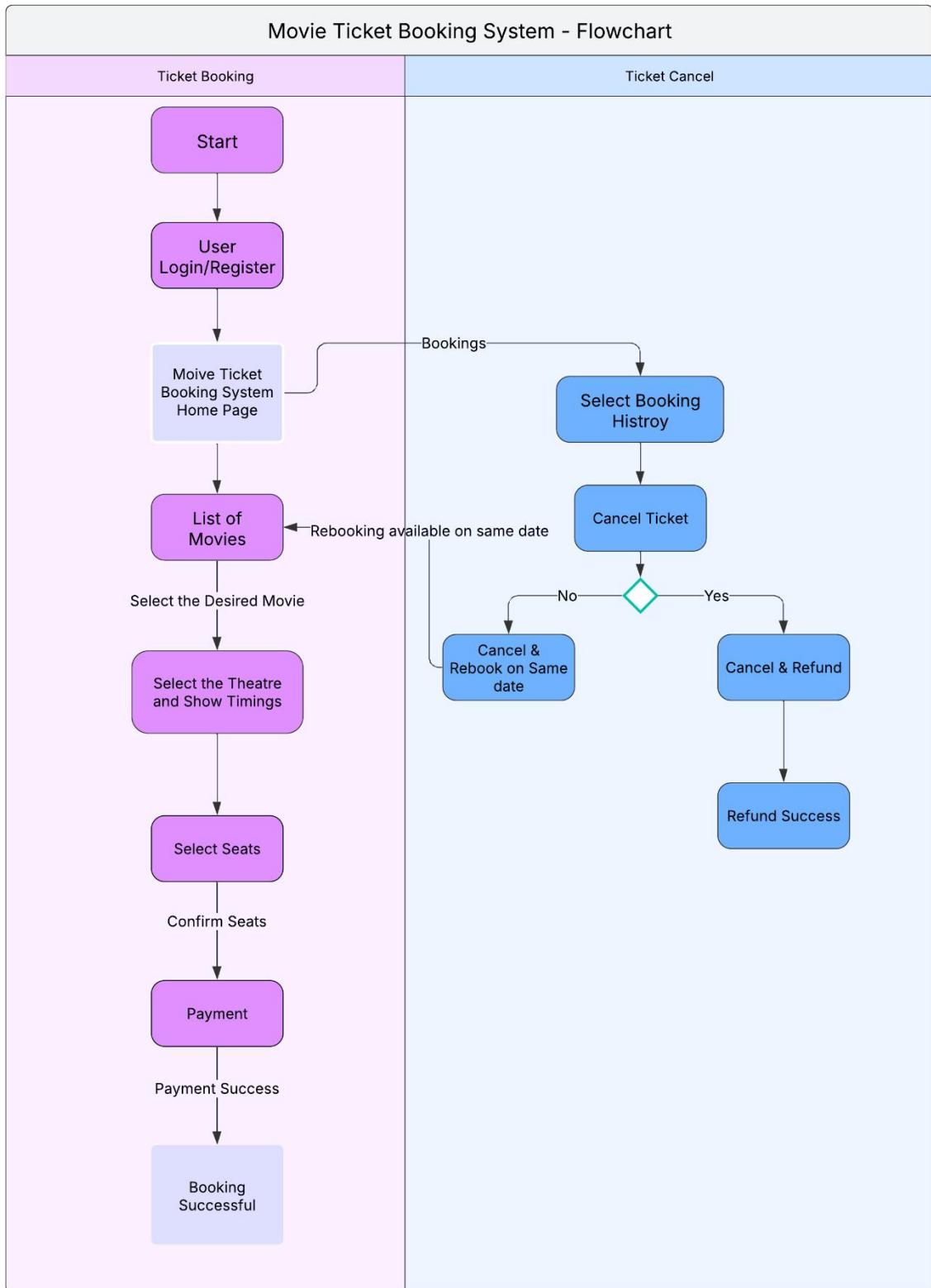
Users can cancel their booking and get an instant refund to their wallet, or if desired they can rebook for another show on the same day, considering the factor of seat availability.

- Booking History**

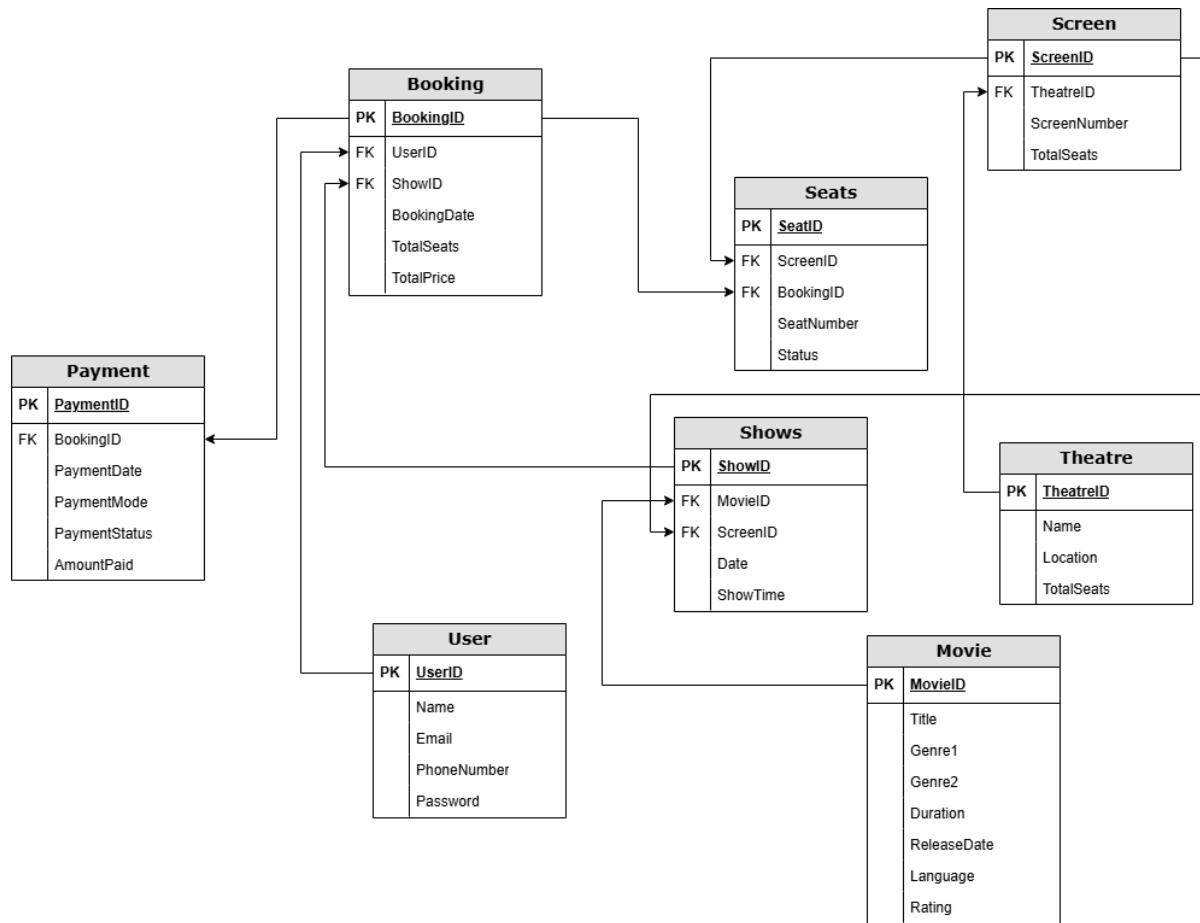
Users can get to know their booking history, where they can cancel the tickets if desired.

## Methodology: -

### Flow of the System (Flowchart)



## Schema & Database Design



## Description of Schema Diagram

The schema diagram represents the relational structure or database design of the Movie Ticket Booking System highlighting the tables/relations, attributes, keys and relationships. The tables and their uniquely identifying attributes are listed below

1. User (PK - UserID)
2. Movie (PK - MovieID)
3. Theatre (PK - TheatreID)
4. Shows (PK - ShowID)
5. Screen (PK - ScreenID)
6. Seats (PK – SeatID)
7. Booking (PK - BookingID)
8. Payment (PK - PaymentID)

The schema consists of eight tables that manage users, movies, theatres, screens, shows, bookings, payments and seat allocations. The following tables functionality and uses are described below briefly

#### **1. User**

Stores user information such as name, email, phone number and password, identifies each user uniquely with primary key.

#### **2. Movie**

Stores details about movies and movie details.

#### **3. Theatre**

This table represents different theatres and location of them where the movies are screened.

#### **4. Screen**

Represents different screens in a theatre.

#### **5. Shows**

Describes specific showtime for movies, each show associated with a movie and a screen.

#### **6. Booking**

Stores the booking details made by the users.

#### **7. Seat**

Manages the seat allocation.

#### **8. Payment**

Stores payment and transaction related to bookings of desired seats.

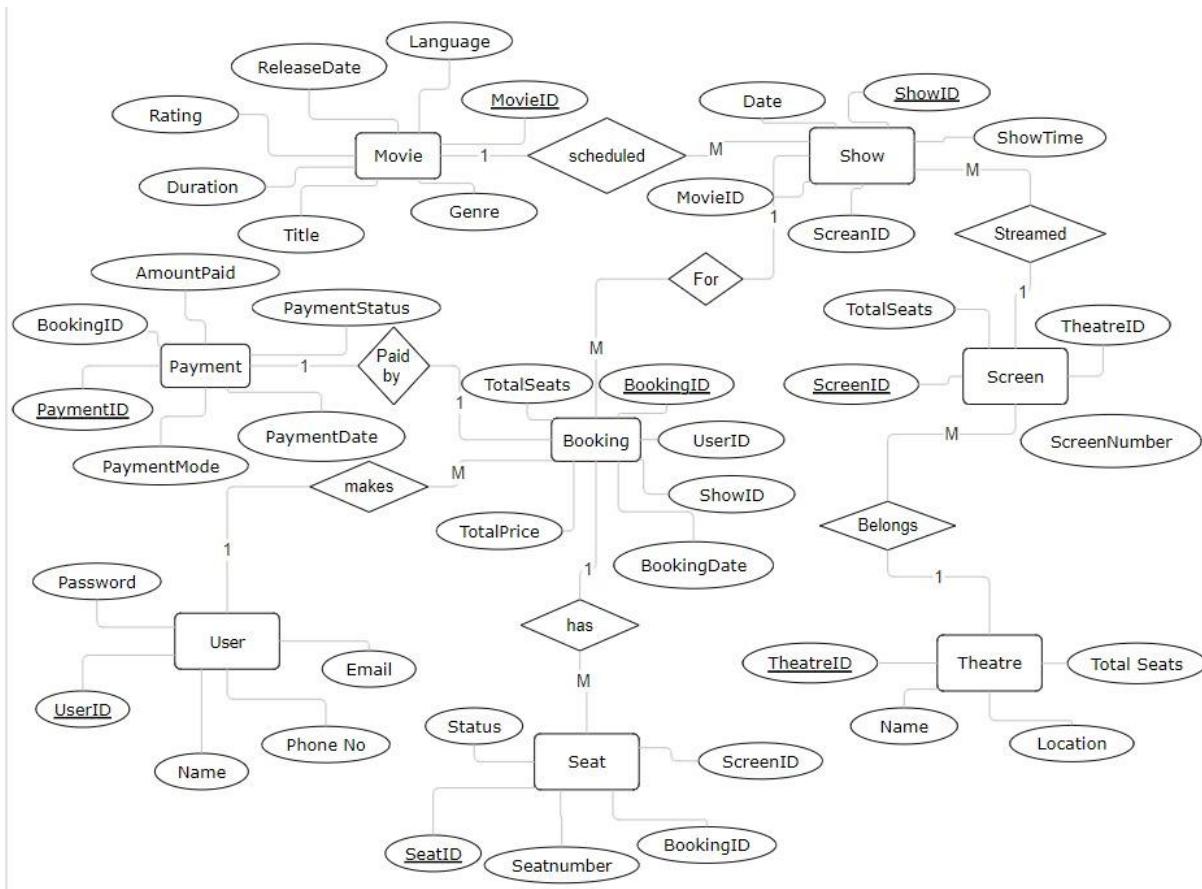
## **Foreign Key References in Each Table**

- TheatreID(Screen) → TheatreID(Theatre) – Associates screens with a specific theatre.
- ScreenID(Shows) → ScreenID(Screen) – Links a show to a screen.
- MovieID(Shows) → MovieID(Movie) – Associates a show with a specific movie.
- UserID(Booking) → UserID(User) – Identifies which user has made the booking.
- ShowID(Booking) → ShowID(Shows) – Links a booking to specific show.
- BookingID(Seat) → BookingID(Booking) – Associates a seat with a specific booking.

- ScreenID(Seat) → ScreenID(Screen) – Ensures that seats are correctly assigned to a screen.
- BookingID(Payment) → BookingID(Booking) – Links a transaction to booking.

## Entity – Relationship Diagram

The Entity-Relationship Diagram (ER) visually represents the database structure of the Movie Ticket Booking System. It illustrates the entities (tables), attributes (fields), and relationships between them, ensuring a structured and efficient database design. This ER Diagram helps in understanding how different entities interact, how data is stored, and how transactions are managed.



## **Explanation of the ERD Components**

- Entities (Rectangles): Represent real-world objects such as users, movies, theaters, screens, shows, bookings, seats, and payments.
- Attributes (Ovals): Represent properties of entities, like Name, ShowTime, PaymentMode, etc.
- Relationships (Diamonds): Show interactions between entities, such as makes (User-Booking), scheduled (Movie-Show), and paid by (Booking-Payment).
- Primary Keys (Underlined Attributes): Unique identifiers for each entity, such as UserID, MovieID, and BookingID.
- Foreign Keys (Connecting Lines): Establish relationships between different entities, ensuring data integrity.

## **Relationship Between Tables**

- 1) User to Booking – One user can make multiple bookings (1:M relationship).
- 2) Movie to Shows – One movie can have multiple showtimes (1:M relationship).
- 3) Theater to Screens – One theater has multiple screens (1:M relationship).
- 4) Screen to Shows – One screen can host multiple shows (1:M relationship).
- 5) Shows to Booking – One show can have multiple bookings (1:M relationship).
- 6) Booking to Seat – One booking can have multiple seats (1:M relationship).
- 7) Booking to Payment – One booking has one payment record (1:1 relationship).

## Entities and Attributes

### ❖ User

| User |               |
|------|---------------|
| PK   | <u>UserID</u> |
|      | Name          |
|      | Email         |
|      | PhoneNumber   |
|      | Password      |

- a) UserID (Primary Key)
- b) Name
- c) Email
- d) Phone No
- e) Password

### ❖ Movie

| Movie |                |
|-------|----------------|
| PK    | <u>MovieID</u> |
|       | Title          |
|       | Genre1         |
|       | Genre2         |
|       | Duration       |
|       | ReleaseDate    |
|       | Language       |
|       | Rating         |

- MovieID (Primary Key)
- Title
- Genre
- Duration
- ReleaseDate
- Language
- Rating

❖ **Theater**

| Theatre |            |
|---------|------------|
| PK      | TheatreID  |
|         | Name       |
|         | Location   |
|         | TotalSeats |

- TheaterID (Primary Key)
- Name
- Location
- Total Seats

❖ **Screen**

| Screen |              |
|--------|--------------|
| PK     | ScreenID     |
| FK     | TheatreID    |
|        | ScreenNumber |
|        | TotalSeats   |

- ScreenID (Primary Key)
- ScreenNumber
- TotalSeats
- TheaterID (Foreign Key referencing Theater)

❖ Show

| Shows |          |
|-------|----------|
| PK    | ShowID   |
| → FK  | MovieID  |
| → FK  | ScreenID |
|       | Date     |
|       | ShowTime |

- ShowID (Primary Key)
- ShowTime
- Date
- MovieID (Foreign Key referencing Movie)
- ScreenID (Foreign Key referencing Screen)

❖ Booking

| Booking |             |
|---------|-------------|
| PK      | BookingID   |
| → FK    | UserID      |
| → FK    | ShowID      |
|         | BookingDate |
|         | TotalSeats  |
|         | TotalPrice  |

- BookingID (Primary Key)
- UserID (Foreign Key referencing User)
- ShowID (Foreign Key referencing Show)
- BookingDate
- TotalSeats
- TotalPrice

❖ Seats

| Seats |            |
|-------|------------|
| PK    | SeatID     |
| → FK  | ScreenID   |
| → FK  | BookingID  |
|       | SeatNumber |
|       | Status     |

- SeatID (Primary Key)
- SeatNumber
- Status
- ScreenID (Foreign Key referencing Screen)
- BookingID (Foreign Key referencing Booking)

❖ **Payment**

| Payment |               |
|---------|---------------|
| PK      | PaymentID     |
| FK      | BookingID     |
|         | PaymentDate   |
|         | PaymentMode   |
|         | PaymentStatus |
|         | AmountPaid    |

- PaymentID (Primary Key)
- BookingID (Foreign Key referencing Booking)
- PaymentDate
- PaymentMode
- PaymentStatus
- AmountPaid

# **DBMS Concepts in Movie Ticket Booking System**

## **1. Database Schema and Normalization**

Database Schema defines the logical structure of the database, including tables, attributes, data types, and relationships.

The database follows Normalization principles (1NF, 2NF, 3NF, BCNF) to eliminate redundancy and maintain data integrity.

- 1NF → Each table has unique rows, and all columns have atomic values
- 2NF → Ensures that every non-key attribute is fully functionally dependent on the primary key.
- 3NF → Eliminates transitive dependencies to ensure data consistency.

## **2. Entity Relationship Model**

The ER Model visually represents the structure of the database, including entities (tables), attributes, and relationships.

The ER Diagram for this project consists of key entities such as User, Movie, Theater, Show, Booking, Payment, and Seat, with relationships ensuring referential integrity.

## **3. Primary and Foreign Key Constraints**

**Primary Key (PK):** A unique identifier for each record in a table (e.g., UserID in the User table).

**Foreign Key (FK):** A field that references a primary key in another table to maintain referential integrity (e.g., MovieID in the Show table references MovieID in the Movie table).

## 4. Relationship & Cardinality

### One-to-Many (1:M):

- One user can make multiple bookings, but each booking belongs to one user.
- One movie can have multiple shows, but a show belongs to only one movie.

### Many-to-Many (M:M):

- A **user** can book multiple seats, and a **seat** can be booked by multiple users (if not occupied). This is managed using a junction table (Booking Table).

## 5. Transaction & ACID Properties

A transaction in DBMS ensures that operations such as booking a ticket or making a payment are completed successfully or rolled back in case of failure. Transactions follow ACID properties:

- i. Atomicity: Ensures that either the entire booking and payment process is completed or none of it is processed (no partial bookings).
- ii. Consistency: Guarantees that the database remains in a valid state before and after the transaction.
- iii. Isolation: Ensures that concurrent transactions do not interfere with each other (e.g., two users trying to book the same seat at the same time).
- iv. Durability: Once a transaction is committed (successful payment), the changes are permanently stored in the database.

## **Functionalities**

### **1. User Registration and Authentication**

Functionality:

- Users can create an account by providing their Name, Email, Phone Number, and Password.
- Secure authentication system using hashed passwords ensures data security.
- Login functionality allows registered users to access their dashboard.

Implementation:

- User table stores user details (UserID, Name, Email, etc.).
- Login validation: If credentials match, the user is granted access; otherwise, an error message is displayed.

### **2. Movie and Show Selection**

Functionality:

- Users can browse available movies.
- Each movie has multiple showtimes and screens in different theaters.

Implementation:

- Movie table (MovieID, Title, Genre, etc.) stores movie details.
- Show table (ShowID, MovieID, ScreenID, ShowTime) links movies to available screens and showtimes.

### **3. Seat Selection & Availability Check**

Functionality:

- Users can view the available seats for a selected movie and showtime.
- Once a user selects seats, they are temporarily locked for a short duration to prevent conflicts.

- If the user doesn't complete the booking in time, the seats are released for others.

Implementation:

- Show table (ShowID, Movie Seat table (SeatID, ScreenID, BookingID, Status) manages seat availability.
- Concurrency control techniques (locking mechanism) ensure multiple users don't book the same seat simultaneously.

## **4. Booking History**

Functionality:

- Users can view their past bookings, including movie name, showtime, theater, seat numbers, and payment details.
- The system stores all previous transactions, allowing users to track their booking history.

Implementation:

- Booking table (BookingID, UserID, ShowID, BookingDate, TotalPrice) stores past bookings.
- SQL queries fetch previous transactions based on the UserID.
- Front-end displays a user dashboard with past and upcoming bookings.

## **5. Ticket Cancellation & Rebooking**

Functionality:

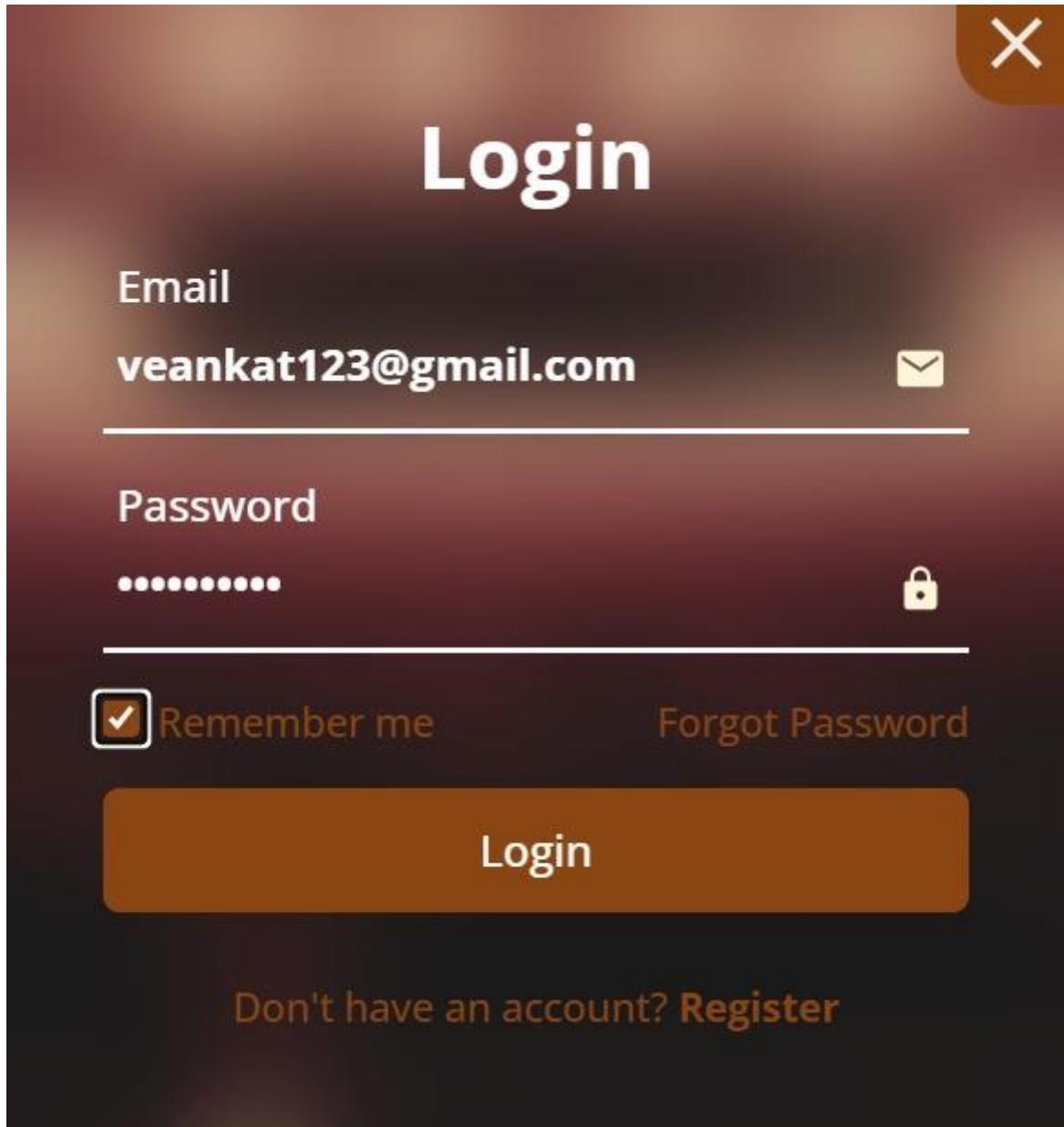
- Users can cancel a ticket if they are unable to attend the show.
- The system offers an option to rebook for the same movie at a different time on the same day, subject to seat availability.

Implementation:

- Cancellation feature: Updates the seat status to available and processes refunds.

- Rebooking logic: Checks for seat availability in the same movie and date but a different showtime.
- Triggers and stored procedures manage automatic seat updates.

## Outcomes





# Registration

Username

**Arjun Reddy**



Email

**arjun.reddy@gmail.com**



Password

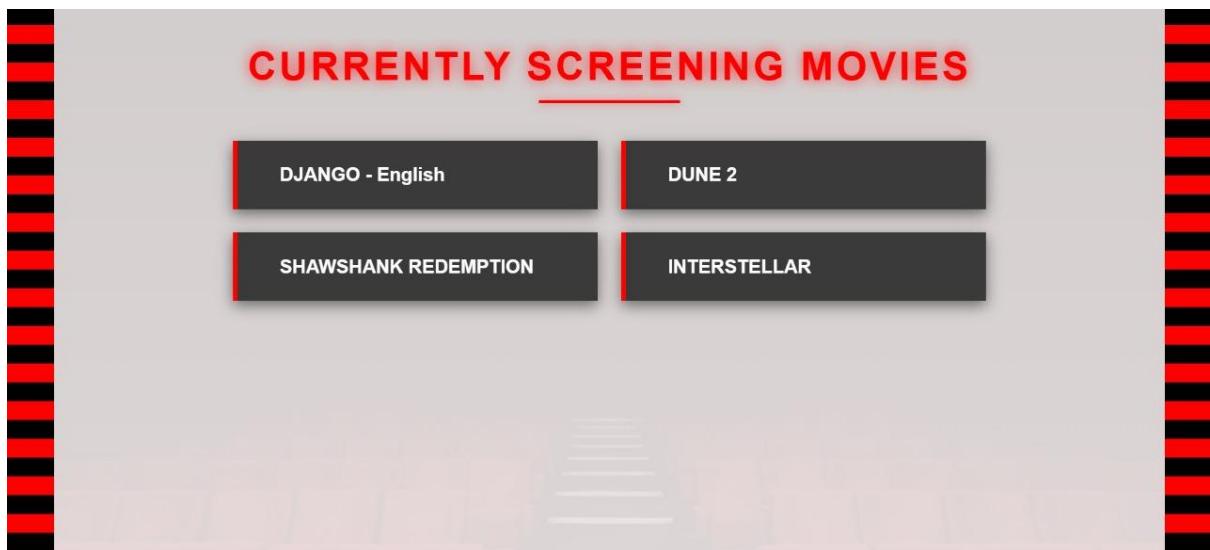
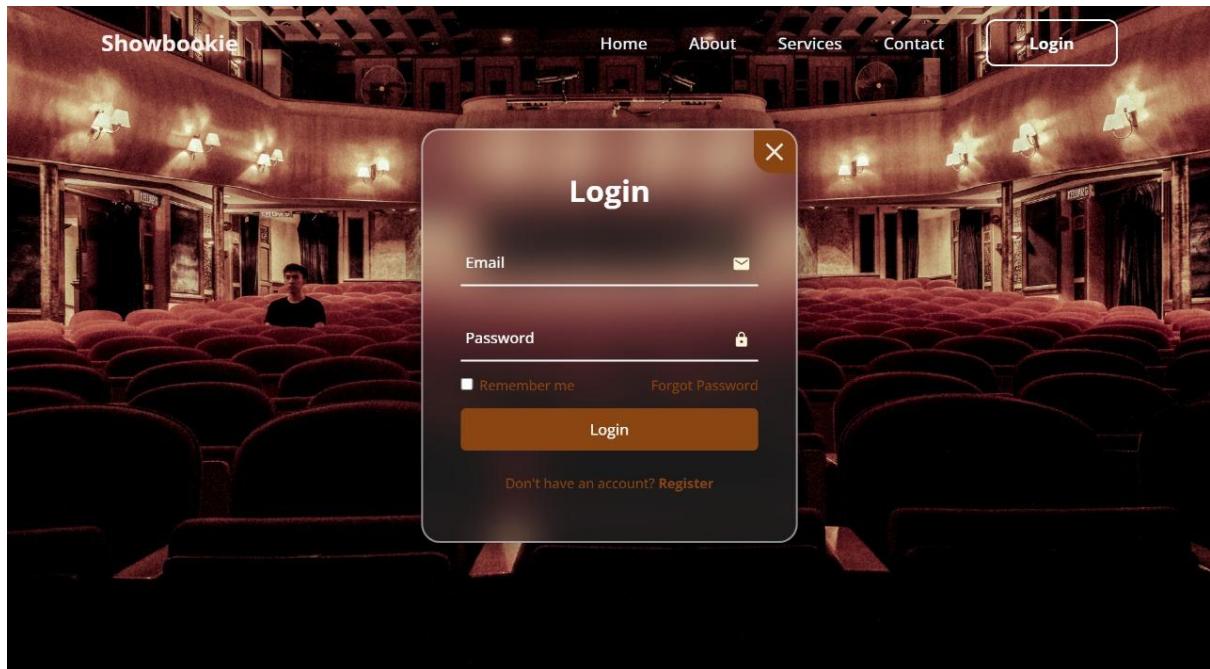
\*\*\*\*\*



I agree to the terms and conditions

**Register**

Already have an account? [Login](#)



## Recommended Movies



★ 8.9/10 495 Votes  
**DJANGO**  
Western/Action



★ 8.3/10 61.1K Votes  
**DUNE 2**  
Drama/Thriller



★ 7/10 333 Votes  
**SHAWSHANK  
REDEMPTION**  
Drama



★ 9/10 3.3K Votes  
**INTERSTELLAR**  
Supernatural/Thriller

Endless Entertainment Anytime, Anywhere!

## DJANGO - English

A 18+ Western/Action

26 MAR 27 MAR 28 MAR

PVR INOX ,Shenoy Nagar

1:00 PM 7:00 PM 11:00 PM

PVR Grand Mall, Velachery

12:25 PM 4:10 PM 6:40 PM

PVR Ampa Mall, Adyar

9:30 PM

**localhost:8080 says**

You selected 1:00 PM

OK

## DJANGO

PVR INOX Shenoy Nagar | 26 Mar, 1:00 PM

### Rs. 196 SuperStar

|   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |
|---|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|
| A | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| B | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| C | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| D | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| E | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |

### Rs. 160 PLATINUM

|   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |
|---|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|
| A | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| B | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| C | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| D | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| E | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| F | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| G | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |

## Rs. 140 GoldStar

|   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |
|---|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|
| H | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| I | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| J | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| K | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| L | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| M | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| N | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| O | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| P | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| Q | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| R | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |

Available     Selected     Sold

[Proceed to Payment](#)

# Payment

## Selected Seats

A5 A6 K6 K7

## Payment Details

Card Number:

7865 1248 1990 2457

Expiry Date:

09/31

CVV:

765

[Confirm Payment](#)

localhost:8080 says

Payment successful! Redirecting to booking confirmation...

OK

# Booking Successful!!

## Details

**Movie:** DJANGO Unchained

**Showtime:** 1:00 PM

**Theater:** PVR INOX, Shenoy Nagar

### Selected Seats:

A5

A6

K6

K7

[Return to Home](#)

## ABOUT SHOWBOOKIE

Welcome to ShowBookie, your one-stop destination for booking tickets to the latest movies, concerts, and events. At ShowBookie, we aim to make ticket booking seamless, convenient, and enjoyable for everyone.

With a user-friendly platform and secure payment options, ShowBookie ensures that you can reserve your spot at your favorite events with just a few clicks. Whether you're a movie enthusiast or a concert lover, we've got you covered.

Join us in redefining the way you experience entertainment. ShowBookie – Your ticket to unforgettable moments!

[EXPLORE EVENTS](#)

## CONTACT US

### **Emergency Contacts**

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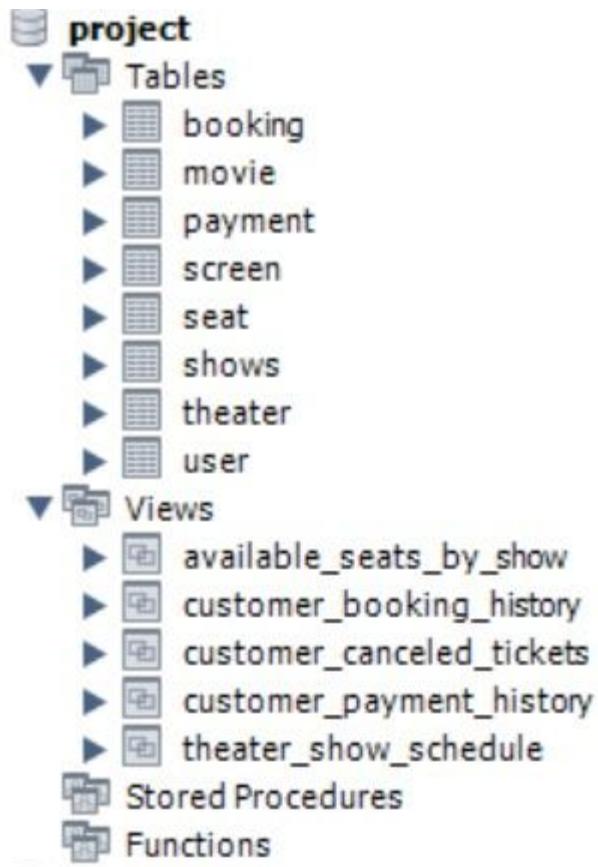
- Customer Support: +91 12345 67890
- Technical Support: +91 98765 43210
- Email: support@pvr.com

### **Corporate Office**

---

PVR Limited,  
Plot No. 1, Sector 18,  
Gurgaon, Haryana - 122015  
Phone: +91 124 488 5000

## Database Outcomes



576 • select \* from customer booking history;

|   | UserID | CustomerName  | Email                   | BookingID | BookingDate         | Movie        | ShowTime            | Theater       | ScreenNumber | TotalSeats |
|---|--------|---------------|-------------------------|-----------|---------------------|--------------|---------------------|---------------|--------------|------------|
| ▶ | 31     | Aditya Verma  | aditya.verma@gmail.com  | 3         | 2024-12-26 08:32:13 | Dune 2       | 2025-03-22 09:00:00 | PVR Ampa Mall | S-1          | 6          |
|   | 14     | Revanth Reddy | revanth.reddy@gmail.com | 2         | 2024-10-20 10:37:22 | Interstellar | 2025-03-26 23:00:00 | PVR Ampa Mall | S-2          | 7          |
|   | 4      | Vivaan Sharma | vivaan.sharma@gmail.com | 29        | 2025-02-10 06:32:07 | Django       | 2025-03-21 09:00:00 | PVR Ampa Mall | S-3          | 4          |
|   | 11     | Sai Kumar     | sai.kumar@gmail.com     | 7         | 2024-03-13 07:39:55 | Dune 2       | 2025-03-23 18:00:00 | PVR Ampa Mall | S-3          | 6          |
|   | 22     | Anaya Joshi   | anaya.joshi@gmail.com   | 41        | 2025-01-08 09:31:24 | Django       | 2025-03-21 18:00:00 | PVR Ampa Mall | S-4          | 2          |
|   | 3      | Vansh Mehta   | vansh.mehta@gmail.com   | 13        | 2024-04-07 06:26:02 | Django       | 2025-03-21 09:00:00 | PVR Ampa Mall | S-5          | 8          |

```
577 • select * from available_seats_by_show;
```

578

|  | ShowID | ShowTime            | Date       | Movie                | ScreenNumber | SeatNumber | Status    |
|--|--------|---------------------|------------|----------------------|--------------|------------|-----------|
|  | 28     | 2025-03-22 13:00:00 | 2025-03-22 | Shawshank Redemption | S-2          | R16        | Available |
|  | 50     | 2025-03-23 09:00:00 | 2025-03-23 | Dune 2               | S-2          | R16        | Available |
|  | 21     | 2025-03-21 13:00:00 | 2025-03-21 | Shawshank Redemption | S-8          | K08        | Available |
|  | 15     | 2025-03-21 18:00:00 | 2025-03-21 | Django               | S-7          | V01        | Available |
|  | 43     | 2025-03-22 09:00:00 | 2025-03-22 | Interstellar         | S-7          | V01        | Available |
|  | 30     | 2025-03-21 09:00:00 | 2025-03-21 | Django               | S-5          | J02        | Available |
|  | 14     | 2025-03-23 13:00:00 | 2025-03-23 | Shawshank Redemption | S-7          | N14        | Available |
|  | 19     | 2025-03-23 13:00:00 | 2025-03-23 | Django               | S-3          | F12        | Available |
|  | 41     | 2025-03-23 13:00:00 | 2025-03-23 | Shawshank Redemption | S-3          | F12        | Available |
|  | 11     | 2025-03-21 13:00:00 | 2025-03-21 | Shawshank Redemption | S-4          | W09        | Available |
|  | 44     | 2025-03-22 09:00:00 | 2025-03-22 | Dune 2               | S-4          | W09        | Available |
|  | 34     | 2025-03-21 09:00:00 | 2025-03-21 | Interstellar         | S-11         | L03        | Available |

```
576 • select * from customer_canceled_tickets;
```

|   | UserID | CustomerName  | Email                   | BookingID | BookingDate         | Movie        | ShowTime            | Date       | Theater        | ScreenNumber |
|---|--------|---------------|-------------------------|-----------|---------------------|--------------|---------------------|------------|----------------|--------------|
| ▶ | 2      | Aarav Patel   | aarav.patel@gmail.com   | 30        | 2024-08-29 23:18:23 | Dune 2       | 2025-03-21 18:00:00 | 2025-03-21 | PVR Grand Mall | S-7          |
|   | 22     | Anaya Joshi   | anaya.joshi@gmail.com   | 1         | 2024-05-28 18:02:33 | Dune 2       | 2025-03-23 13:00:00 | 2025-03-23 | PVR INOX       | S-11         |
|   | 22     | Anaya Joshi   | anaya.joshi@gmail.com   | 14        | 2024-07-12 18:59:56 | Interstellar | 2025-03-22 09:00:00 | 2025-03-22 | PVR INOX       | S-7          |
|   | 14     | Revanth Reddy | revanth.reddy@gmail.com | 42        | 2024-12-19 12:11:11 | Interstellar | 2025-03-23 18:00:00 | 2025-03-23 | PVR INOX       | S-9          |
|   | 10     | Arjun Reddy   | arjun.reddy@gmail.com   | 26        | 2024-07-25 14:10:17 | Django       | 2025-03-22 09:00:00 | 2025-03-22 | PVR Grand Mall | S-7          |

## **Conclusion**

The Movie Ticket Booking System provides a streamlined, efficient, and user-friendly platform for booking movie tickets online. It simplifies the entire ticketing process, from user registration and authentication to seat selection, payment, and booking management. The system ensures secure transactions, real-time seat availability, and flexible ticket cancellation and rebooking options, enhancing user convenience. Additionally, features like booking history tracking further improve the user experience.

## **Future Scope**

As technology evolves, this system can be expanded with advanced features to enhance usability and efficiency:

- AI-Based Movie Recommendations – Implementing machine learning algorithms to suggest movies based on user preferences, past bookings, and ratings.
- Dynamic Pricing Model – Introducing AI-driven pricing strategies that adjust ticket prices based on demand, time, and seating preferences.
- Loyalty and Rewards Program – Adding a points-based reward system where frequent users get discounts, cashback, or free tickets.

By incorporating these future enhancements, the Movie Ticket Booking System can become a fully automated, AI-driven, and user-centric platform that provides an unparalleled movie-going experience.