

Online Movie Ticket Booking System - Project Documentation

Project Description

An advanced Online Movie Ticket Booking System built with Angular, designed to provide a seamless and intuitive experience for both users and administrators. The project includes guest browsing, login-based access control, ticket selection, payment integration, and admin management functionalities.

Technologies Used

- Frontend: Angular 19+, Angular Material, Tailwind CSS
- Routing & Guards: Angular Router, Auth Guards
- Backend/API (Optional): MockAPI
- Icons & Charts: Chart.js

Features

Guest User

- Browse all available movies (Now Showing, Coming Soon)
- View showtimes, languages, categories
- Seat layout preview (without booking ability)
- CTA (Call-to-Action) to Login when trying to book/pay

Registered User

- Login / Register to book tickets
- View movie details and select showtime
- Choose seat category (Gold, Platinum, Elite)
- Proceed to payment
- View booking history and download tickets

Admin Panel

- Login as Admin
- Manage Movies (Add / Update / Delete)
- Manage Showtimes and Screens
- Seat Management (Layout, Booked/Available)
- View All Bookings & Reports
- Content Upload (Banners/Promotions)
- User Management (View/Block Users)

Folder Structure (Key Modules)

/src

```
├─ /app
  │ └─ /components
  │ └─ /pages
  │   │ └─ /guest
  │   │ └─ /user
  │   │ └─ /admin
  │ └─ /services
  │ └─ /guards
  │ └─ app-routing.module.ts
  │ └─ app.module.ts
├─ /assets
└─ index.html
```

Installation & Setup Guide

1. Install Node.js & Angular CLI

node -v

npm install -g @angular/cli

2. Install Dependencies

npm install

3. Start the Development Server

ng serve

Navigate to: <http://localhost:4200>

Application Usage Flow

Guest User

1. Access homepage and browse movies.
2. Click on a movie to view showtimes.
3. Select a show – CTA prompts user to login before booking.

Login

Login via phone number or email (credentials provided below). Route is protected via AuthGuard.

Logged-in User

1. Select a movie → showtime → seats.
2. View seat layout (Gold, Platinum, Elite).
3. Choose seats, proceed to payment.
4. Booking success → Ticket generated.
5. Booking history viewable in profile.

Admin Dashboard

1. Login via admin credentials.
2. Access admin panel with:
 - Movie Management
 - Seat Management
 - Show Management
 - Reports & Bookings
 - User Control
 - Content/Banner Management

Login Credentials

Admin Login

- Phone: 9566381302
- Email: dhivyasreenidhidurai@gmail.com

User Login

- Phone: 8976543476
- Email: user@gmail.com

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