| Date | 31 January 2025 |
| --- | --- |
| Team ID | SWTID1742572631 |
| Project Name | Movie Ticket Booking System |
| Maximum Marks | 4 Marks |

### **1. Objective**

The goal of this project is to develop an online movie ticket booking platform that allows users to browse movies, select show timings, book tickets, and make payments seamlessly. The system will provide an intuitive interface for users, efficient backend processing for ticket management, and administrative control for managing listings and screens.

### **2. Functional Requirements**

| **S.No** | **Requirement Description** |
| --- | --- |
| 1 | User Registration & Login/Logout (with Email/Phone authentication). |
| 2 | View list of available movies with genres, language, and ratings. |
| 3 | Filter movies based on location, date, and cinema. |
| 4 | View movie details including trailer, synopsis, cast, and duration. |
| 5 | Select show timing, seat availability, and preferred cinema. |
| 6 | Book tickets with selected seats and number of persons. |
| 7 | Apply discounts/promos (if available). |
| 8 | Secure payment gateway integration for ticket booking. |
| 9 | Receive booking confirmation via SMS/email. |
| 10 | Admin panel for managing movies, showtimes, theaters, and bookings. |
| 11 | Cancel or reschedule bookings (if applicable). |
| 12 | Review previous bookings and download e-tickets. |

### **3. Non-Functional Requirements**

| **S.No** | **Requirement Description** |
| --- | --- |
| 1 | The application must be accessible on Web and Mobile (Responsive UI). |
| 2 | High availability with minimal downtime. |
| 3 | Data must be securely stored with encrypted communication. |
| 4 | System should be scalable to handle high traffic during peak hours. |
| 5 | Performance should ensure booking under 3 seconds under normal load. |

### **4. Stakeholders**

| **Stakeholder** | **Description** |
| --- | --- |
| End Users (Customers) | People booking movie tickets via the platform. |
| Admin | Manages movie listings, showtimes, and theaters. |
| Theater Partners | Manage their cinema profiles, seating, and show schedules. |
| Developers | Build and maintain the system. |

### **5. Assumptions & Constraints**

* Internet access is required for accessing the platform.
* Payment gateway integration is dependent on third-party services.
* Admin access is secured via role-based authentication.
* Movie and showtime data are assumed to be updated by theater partners/admins regularly.