# Project Design Phase-II

## Solution Requirements (Functional & Non-functional)

| Date | 31 January 2025 |
|---|---|
| Team ID | SWTID1743003805 |
| Project Name | iMovies - Movie Ticket Booking Application |
| Maximum Marks | 4 Marks |

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

| FR No. | Functional Requirement (Epic) | Sub Requirement (Story / Sub-Task) |
|---|---|---|
| FR-1 | User Registration | Registration through Email Form |
| | | Registration through Gmail |
| FR-2 | User Confirmation | Confirmation via Email |
| | | Confirmation via OTP |
| FR-3 | Movie Browsing & Filtering | Browse by genre, language, city, and date |
| | | View movie details and watch trailers |
| FR-4 | Real-time Seat Booking | Interactive seat selection with availability sync |
| FR-5 | Secure Payment Integration | Payments via UPI, Credit/Debit Card, Wallet |
| FR-6 | Ticket Generation & Confirmation | Generate ticket |
| | | Email and downloadable ticket confirmation |
| FR-7 | Admin Portal | Manage movie listings, show schedules, pricing |
| | | View analytics and booking reports |
| FR-8 | Support & Refund System | Complaint logging and refund processing |

**Non-functional Requirements:**

Following are the non-functional requirements of the proposed solution.

| FR No. | Non-Functional Requirement | Description |
|---|---|---|
| NFR-1 | Usability | The platform should have a clean, intuitive, and responsive user interface. |
| NFR-2 | Security | All user data and transactions should be protected using encryption. |
| NFR-3 | Reliability | The system should work consistently under normal and peak load. |
| NFR-4 | Performance | Pages and functions should load quickly, even on slower connections. |
| NFR-5 | Availability | System should maintain high uptime with robust backend support. |
| NFR-6 | Scalability | The architecture should support scale as user base and features grow. |