**Project Design Phase-II**

**Solution Requirements (Functional & Non-functional)**

|  |  |
| --- | --- |
| Date | 26-06-2025 |
| Team ID | LTVIP2025TMID59691 |
| Project Name | Flightfinder |
| Maximum Marks | 4 Marks |

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

**Functional Requirements – Flightfinder App**

|  |  |  |
| --- | --- | --- |
| **FR No.** | **Functional Requirement (Epic)** | **Sub Requirement (Story / Sub-Task)** |
| FR-1 | User Authentication | Sign up, Login, Password Reset  OAuth login using Google / GitHub |
| FR-2 | Flight Booking | Search flights by source, destination, and date  Book, reschedule, and cancel bookings |
| FR-3 | Dashboard & Schedule Management | View upcoming, cancelled, and past bookings  Manage profile and preferences |
| FR-4 | Notifications & Alerts | Automated SMS/email alerts for ticket confirmations, cancellations, and price drops |

**Non-functional Requirements:**

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

|  |  |  |
| --- | --- | --- |
| **NFR No.** | **Non-Functional Requirement** | **Description** |
| **NFR-1** | **Usability** | The platform should offer a clean, mobile-first UI that’s intuitive for all users |
| **NFR-2** | **Security** | All user data and payments must be encrypted. Implement secure login and role-based access. |
| **NFR-3** | **Reliability** | |  | | --- | | Booking, payment, and notification features must remain functional with minimal errors. | |
| **NFR-4** | **Performance** | Flight searches and bookings should complete within 2 seconds. |
| **NFR-5** | **Availability** | Ensure 99.9% uptime with robust hosting and backups. |
| **NFR-6** | **Scalability** | Handle a growing number of travelers, flights, and real-time searches without performance drops. |