**Project Design Phase-II**

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

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| Date | 28 June 2025 |
| Team ID | LTVIP2025TMID59738 |
| Project Name | Flightfinder: Navigating Your Air Travel Options |
| Maximum Marks | 4 Marks |

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

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| --- | --- | --- |
| **FR No.** | **Functional Requirement (Epic)** | **Sub Requirement (Story / Sub-Task)** |
| FR-1 | User Registration | Registration through Form  Registration through Gmail  Registration through LinkedIN |
| FR-2 | User Confirmation | Confirmation via Email  Confirmation via OTP |
| FR-3 | |  | | --- | |  |  |  | | --- | | Flight Search | | Search direct and connecting (layover) flights |
| FR-4 | Role-based Access | Separate login and dashboard for User, Operator, and Admin |
| FR-5 | Booking & Payments | Book flights and store booking info |
| FR-6 | |  | | --- | |  |  |  | | --- | | Booking History | | View and manage previous bookings |

**Non-functional Requirements:**

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

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| --- | --- | --- |
| **FR No.** | **Non-Functional Requirement** | **Description** |
| NFR-1 | **Usability** | Easy-to-use interface for all roles (User, Operator, Admin) |
| NFR-2 | **Security** | Secure login and data protection using HTTPS and encrypted passwords |
| NFR-3 | **Reliability** | System handles errors gracefully and ensures stable performance |
| NFR-4 | **Performance** | Fast response time while searching, booking, or updating flights |
| NFR-5 | **Availability** | Application is accessible with minimal downtime during working hours |
| NFR-6 | **Scalability** | |  | | --- | |  |  |  | | --- | | Can support more users, cities, flights, and advanced features in future | |