**Project Design Phase-II**

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

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| Date | 28 June 2025 |
| Team ID | LTVIP2025TMID59356 |
| 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 by Source & Destination  Filter by Date, Price, Airline |
| FR-4 | Flight Booking | Select flight & enter passenger details  Choose seats  Make payment  Generate e-ticket |

**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** | The system should provide an intuitive and user-friendly interface for a seamless user experience. |
| NFR-2 | **Security** | User data should be encrypted and securely stored. Payment gateway should be compliant with industry standards like PCI-DSS. |
| NFR-3 | **Reliability** | The system should function without failure for 99.9% of the time over a year. |
| NFR-4 | **Performance** | Page loading time should be under 3 seconds even under high traffic. |
| NFR-5 | **Availability** | The system should be accessible 24/7 with minimal downtime for maintenance. |
| NFR-6 | **Scalability** | The system should support increasing numbers of users and data without compromising performance. |