Project Design Phase-II
Solution Requirements (Functional & Non-functional)

Date	08 February 2026
Team ID	LTVIP2026TMIDS87664
Project Name	Flight Finder
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 and Login	Registration through Form or Login through Form
FR-2	Flight Search & Booking	-Search flights by route, date, - View flight details - Book tickets for selected flights
FR-3	Admin Flight Management	-Add, update, or delete flights - Monitor user bookings - Generate reports
FR-4	Booking History & Details	-View current and past bookings

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Interface should be intuitive, responsive, and accessible on web and mobile.
NFR-2	**Security**	Implement secure login, role-based access, data encryption, and HTTPS protocol.
NFR-3	**Reliability**	Ensure consistent system uptime, backup mechanisms, and failover strategies.
NFR-4	**Performance**	Handle multiple simultaneous bookings efficiently; average response < 2 sec.
NFR-5	**Availability**	System should be available 99.9% of the time, with minimal downtime.
NFR-6	**Scalability**	The system must scale with increasing users, data, and flight partners.