

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

Date	14 October 2022
Team ID	PNT2022TMID32270
Project Name	Project - Developing a Flight Delay Prediction Model using Machine Learning
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 Form Registration through Gmail Registration through Linked IN
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Booking details	Check seat availability. Check fare details.
FR-4	Administration work	Check booking details. Delete and edit flight details.
FR-5	Cancelling details	Check information via email Check refund

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Look and feel standards – Screen element density, Layout and flow, colours, UI metaphors.
NFR-2	Security	1.Login requirements- access level, CRUD levels. 2.Password requirements -Length, special characters, Expiry , Recycling policies.
NFR-3	Reliability	Mean time between failures – What is the acceptable threshold for down-time? Example: 1 a year ,40000 hours
NFR-4	Performance	1.Response times – Application loading , screen open and refresh times , etc... 2. Processing times – Functions , calculations , imports , exports. 3. Query and reporting times - Initial loads and subsequent loads.

NFR-5	Availability	Hours of Operations – When is it available? Consider weekends, holidays, maintenance times , etc,...
NFR-6	Scalability	Define the system capability to handle the work overloads.