

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

Date	27 October 2022
Team ID	PNT2022TMID
Project Name	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 Web app
FR-2	User Login	User is confirmed using the login credentials given at the time of registration
FR-3	Inputs for prediction	Inputs are given by the User through the form displayed in the web application
FR-4	Prediction	The ML model predicts if the flight will be delayed or not
FR-5	User Logout	The User is logged out from the application after timeout period or through manual logout

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Interactive and simple UI makes the application user friendly
NFR-2	Security	User authentication using email and password provides high security
NFR-3	Reliability	Usage of ML for prediction makes the predictions highly reliable and accurate
NFR-4	Performance	The application predicts the output in few seconds
NFR-5	Availability	Since the web application can be hosted online, it can be made available anywhere anytime
NFR-6	Scalability	The application can be scaled for any number of users and complexity