

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

Date	05 November 2022
Team ID	PNT2022TMID22157
Project Name	Developing a Flight Delay Prediction model sing 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	<ul style="list-style-type: none"> Registration through User ID/Password Registration through Gmail Registration through Phone number / OTP
FR-2	User Confirmation	<ul style="list-style-type: none"> Confirmation via Email Confirmation via OTP Confirmation via Phone call
FR-3	User Login	<ul style="list-style-type: none"> Login with UserID/Password Login with gmail Login with phone number/OTP
FR-4	Support	<ul style="list-style-type: none"> Support option provided for queries and contact customer support
FR-5	Predication of delay	<ul style="list-style-type: none"> Requesting for prediction by providing details of delayed flight's. Shows prediction results
FR-6	Trust ability of prediction	<ul style="list-style-type: none"> Gives the accuracy percentage about the prediction data
FR-7	Notify User	<ul style="list-style-type: none"> Notify user with the delay time, if they wish Notify user about flight arrival before 45 mintues
FR-8	Get feed back	<ul style="list-style-type: none"> Get feedback about their user experience about the prediction data Request give rating / support
FR-9	Log Out	<ul style="list-style-type: none"> Log out from the application

Non -functional Requirements:

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

FR No.	Non -Functional Requirement	Description
NFR-1	Usability	Web app is provided with smooth and user-friendly GUI.
NFR-2	Security	Data security of user is ensured with IBM Cloud security, login with your secured login details
NFR-3	Reliability	This web app have reliability by deploying in IBM Watson
NFR-4	Performance	50 request per second is handled.
NFR-5	Availability	99% avail with the help of IBM Cloud.
NFR-6	Scalability	It had high scalability by having ability to extend there computational resource when request came