

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

Date	01 NOVEMBER 2022
Team ID	PNT2022TMID45564
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 Form Registration through Gmail Registration through LinkedIn
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Login	Log in using given credentials
FR-4	Delay Prediction	Requesting for details from user for making the predictions about their flight
FR-5	Feedback	Get feedback from customer about their experience
FR-6	Logout	Logout from the session

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The app must have such ease in usability. The UI should be simple and clear for the user to understand
NFR-2	Security	A 2 step verification should be implemented in the application All the confidential information about the flight and customer must be confidential
NFR-3	Reliability	The application must be able to work under any situation. It should be able to restore all its content even if the system fails
NFR-4	Performance	The application should perform in a faster way It shouldn't take much time for prediction of delay The time should be less than 3 seconds.
NFR-5	Availability	The application should be available 24/7 .

		<p>Even if any bug fix or any update happens it should perform normally and let the update or fixes happen in parallel.</p> <p>The customer should be able to get the prediction result even if the application is under update or any bug fix.</p>
NFR-6	Scalability	<p>The application should be capable of handling multiple requests from the user as millions of users will be using it at the same time.</p>