

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

Date	03 October 2022
Team ID	PNT2022TMID27775
Project Name	Project - Developing a flight delay prediction 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	Passenger Booking	Booking through nearby airports Booking through websites
FR-4	Passenger Payment Confirmation	Payment through any E-COMMERCE service
FR-5	Acknowledgement about cancellation from the other end	Acknowledgement through SMS Acknowledgement through GMAIL
FR-6	Get Feedback	Get feedback and ratings from user

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Improve airline operations and passenger satisfaction, which will result in a positive impact on the economy
NFR-2	Security	Provide a secured way of refunding money when the tickets are cancelled due to flight delay
NFR-3	Reliability	The system would run without failures for a given period of time under predefined conditions. (There is a less chance to occur any failure, then it has 80% of restoring capability even if the system fails.)
NFR-4	Performance	Check whether the flight is delayed or not
NFR-5	Availability	Availability of flights can be determined by comparing the delay of flights
NFR-6	Scalability	Scalability is improved when the weather is in good condition etc.,