

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

Date	03 October 2022
Team ID	PNT2022TMID00675
Project Name	Airlines Data Analytics for Aviation Industry.
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 Gmail.
FR-2	User Confirmation	Confirmation via Email.
FR-3	Search for flights	The registered user can search one way,round trip and multiple destination flights by choosing specific dates and destination.
FR-4	Specify passenger	Customer select the number of passengers and their category either adults,infant or child.
FR-5	Sorting flight	Customer will sort the flight either by price or duration of the flight and will register.
FR-6	Better airline service	Provide better airline service by analysing time consuming,comfort of passenger.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	It defines how difficult it will be for a user to learn and operate the system and it can be assessed from different points of view.
NFR-2	Security	Software is protected from unauthorized access to the system and its stored data.There will be more security to the passenger.
NFR-3	Reliability	To ensure that the aircraft maintenance program tasks are effective and their periodicity is adequate.
NFR-4	Performance	Revenue is often looked at on a passenger revenue per available seat mile basis.
NFR-5	Availability	Where all required maintenance is accomplished and the aircraft is airworthy, as defined by the regulations and is considered available for flight.
NFR-6	Scalability	The capability of a system, network, or process to handle a growing amount of work.