

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

Date	03 October 2022
Team ID	PNT2022TMIDxxxxxx
Project Name	Project - xxx
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	Authentication (User Registration)	Registration through Form Registration through gmail Registration through specific apps
FR-2	Authorization level (User Confirmation)	Confirmation via Email Confirmation via OTP
FR-3	External interfaces	External interface are between contracts under the main engineer responsibilities and third parties some external interface are cellphone,terminal,pc's etc
FR-4	Transaction process	Can book tickets using credit card Tickets booking through net banking Tickets booking through online transaction such as gpay,phone pay,applepay and so on
FR-5	Reporting	Reporting data contributes to enhanced the transparency to extent work regarding saftey certification
FR-6	Business rules	Get full refund for short terminated routes

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Can easily book the train tickets when ever we want Users can easily track the train at any time
NFR-2	Security	Passenger details are encrypted so there low chance of get hacked The personal detail will not leak

NFR-3	Reliability	Features are very simple so that anyone can easily book the tickets
NFR-4	Performance	Can support nearly 10000 users at a time
NFR-5	Availability	Seat availability for the passenger E-Catering are available in side the train WIFI availability to get connected with the people throughout the travel
NFR-6	Scalability	Reduced renewal and life cycle cost Automatic route finding