

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

Date	16 October 2022
Team ID	PNT2022TMID29712
Project Name	Project - Smart Solution for Railways
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	Book tickets through online Register via e-mail and phone number
		Book tickets through offline Register via e-mail and phone number
FR-2	Seats Confirmation	Confirmation of available of seats.
FR-3	User Confirmation	Confirmation via Email Confirmation via OTP
FR-4	Cloud	Details are stored in cloud and update periodically.
FR-5	QR scanner / Ticket	Output will be provide a scanner/Tickets where all the details of the passenger will be available .
FR -6	Notifier	Notification should send during onboard and alight of the passenger.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Notification of the passenger onboard and alight will be more useful while going to new places.
NFR-2	Security	Details are maintained, hence it is not open to everyone so security will be high.
NFR-3	Reliability	Passenger can trust because we are not going to use any new details as already some of the details are gather from passenger which has been reused for this purpose.
NFR-4	Performance	Wastage of time of the passenger will reduce, in case if he alight one station before or after this will more issue for him/her.
NFR-5	Availability	This method can be easily made to available for all the passengers because everyone is using mobile phone nowadays which is the basic requirement for this idea.

NFR-6	Scalability	Scalability of this solution is made by maintaining database of the passenger's ticket reservation details and providing guiding services based on the database
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