

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

Date	03 November 2022
Team ID	PNT2022TMID12770
Project Name	Smart Solutions 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	Unique accounts	<ul style="list-style-type: none">• Every online booking needs to be associated with an account• One account cannot be associated with multiple users
FR-2	Booking options	<input type="checkbox"/> Search results should enable users to find the most recent and relevant booking options
FR-3	Mandatory fields	<input type="checkbox"/> System should only allow users to move to payment only when mandatory fields such as date, time, location has been mentioned
FR-4	Synchronization	<input type="checkbox"/> System should consider timezone synchronisation when accepting bookings from different timezones
FR-5	Authentication	<input type="checkbox"/> Booking confirmation should be sent to user to the specified contact details

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	<input type="checkbox"/> Search results should populate within acceptable time limits
NFR-2	Security	<input type="checkbox"/> System should visually confirm as well as send booking confirmation to the user's contact
NFR-3	Reliability	<input type="checkbox"/> System should accept payments via different payment methods, like PayPal, wallets, cards, vouchers, etc
NFR-4	Performance	<input type="checkbox"/> Search results should populate within acceptable time limits
NFR-5	Availability	<input type="checkbox"/> User should be helped appropriately to fill in the mandatory fields, incase of invalid input
NFR-6	Scalability	<input type="checkbox"/> Use of captcha and encryption to avoid bots from booking tickets