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

Date	06 November 2022
Team ID	PNT2022TMID47639
Project Name	Project –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	User Registration	Before the user registration there will be language selector .All the language is applicable. When user enter in to the application they can see the page of showing enter the email ,mobile number and name. After that in screen it shows the verification code is sent through the email id.
FR-2	User verification	The verification code is sent to the registered email id
FR-3	User confirmation	The verification code is entered in to the app application. After finishing that home page is opened.
FR-4	Process of booking	When the home page is opened there will be a from and to option. We must enter the details then after that we can able to see the number of trains availability and seats availability. We can select the particular train and particular seats which we need and click the confirm option.
FR-5	Payment process	After entering all the details select the payment option like Google pay, PhonePe, PAYTM, etc…, When we select that method it process through selected payment option then payment should be done carefully, then the ticket is confirmed. After confirmation it will return to the page and we can see the details of booking.
FR-6	Confirmation message	After all the QR code will be send through the SMS and email id. QR code will be shown to the ticket collector when the QR code is scanned booking details will be shown .

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	The app is set to easily method only. All the languages will be accessed through by user.

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NFR-2	**Security**	The permissions access is only for the location access only there will be no other unauthorized permission should be entered to it.
NFR-3	**Reliability**	When the user are entering the details, that time if network connection is disabled. All the details will be stored automatically. No need to enter the details again.
NFR-4	**Performance**	The application is more secured and it will obtain through the back end . no unauthorized can access the application
NFR-5	**Availability**	only the QR code is sent through the message and email id only no other information is included
NFR-6	**Scalability**	At a time more than 300,000 users can obtain .All the data will be stored carefully and other issues will be obtained.