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

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Team ID	B5-5M1E
Project Name	Project – Smart Solution for Railways
Maximum Marks	4 Marks

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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 Web page
FR-2	User Confirmation	Confirmation via Message Confirmation via OTP
FR-3	IBM cloud	All details of users are available in cloud
FR-4	Web application	Contains details like boarding station, destination, seat options, name, age, mobile number etc
FR-5	QR code generator	QR code contains the registration details of the user that will be sent via message

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	User can use the Web application to book tickets and can check the status of the trains.
NFR-2	**Security**	The user details are stored in the cloud with high encryption and these details are non-shareable.
NFR-3	**Reliability**	The confirmation of the tickets will be sent immediately to the user after the confirmation of payment. The payment details of the users are also well secured and confirm payment through OTP.
NFR-4	**Performance**	Everything will be done quickly. Since it is online booking, Users can book their tickets comfortably in their places without going to railway station
NFR-5	**Availability**	The Web application will be available for all the users to book tickets and all the boarding details of the users are also available in the web application. Users can also check the availability of the trains through the Web application.

| NFR-6 | Scalability | This idea can also be upgraded by adding some additional features in the future. |