Functional Requirements

Registration

* Through Email
* Through Phone Number
* Through Google, Facebook

User Confirmation

* Email Verification
* OTP
* Confirmation via Call

Journey Details

* To and from station information
* Class of Travel
* Date of Travel

Train Information

* Available seats
* Class availability
* Quota (General, Senior citizen, Tatkaal)

Passenger Information

* Name
* Gender
* Date Of Birth
* Citizen Proof
* Contact Details

Payment

* Through Cards
* Through Net Banking
* Through UPI/Wallet
* Through Voucher

Information Storage

* Databases to store passenger details
* Databases to store train details
* QR code generator

Train Tracking

* GPS module API
* Real time location upload

Non – Functional Requirement

Usability

* Server should be responsive
* It should accommodate a greater number of users
* Should be maintained regularly

Reliability

* User should have a secure transaction
* User data should be protected from third party access

Performance

* Sever should be working 24x7
* Server should not experience any crashed due to overload
* It should be responsive

Availability

* Ticketing should be available through website or app
* Offline ticketing must be present at railway stations

Scalability

* Users interacting with our service should feel secured and reliable

Security

* User data must be protected
* Encryption of user data is needed to prevent third party from accessing it
* Payments should take place through a secure portal