# PROJECT DESIGN PHASE -I1

## Data Flow Diagrams and User Stories

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|---|---|
| Date | 14 October 2022 |
| Team ID | PNT2022TMID16033 |
| Project Name | **Smart Solutions For Railways** |
| Maximum Marks | 4 Marks |

**Data Flow Diagram:**
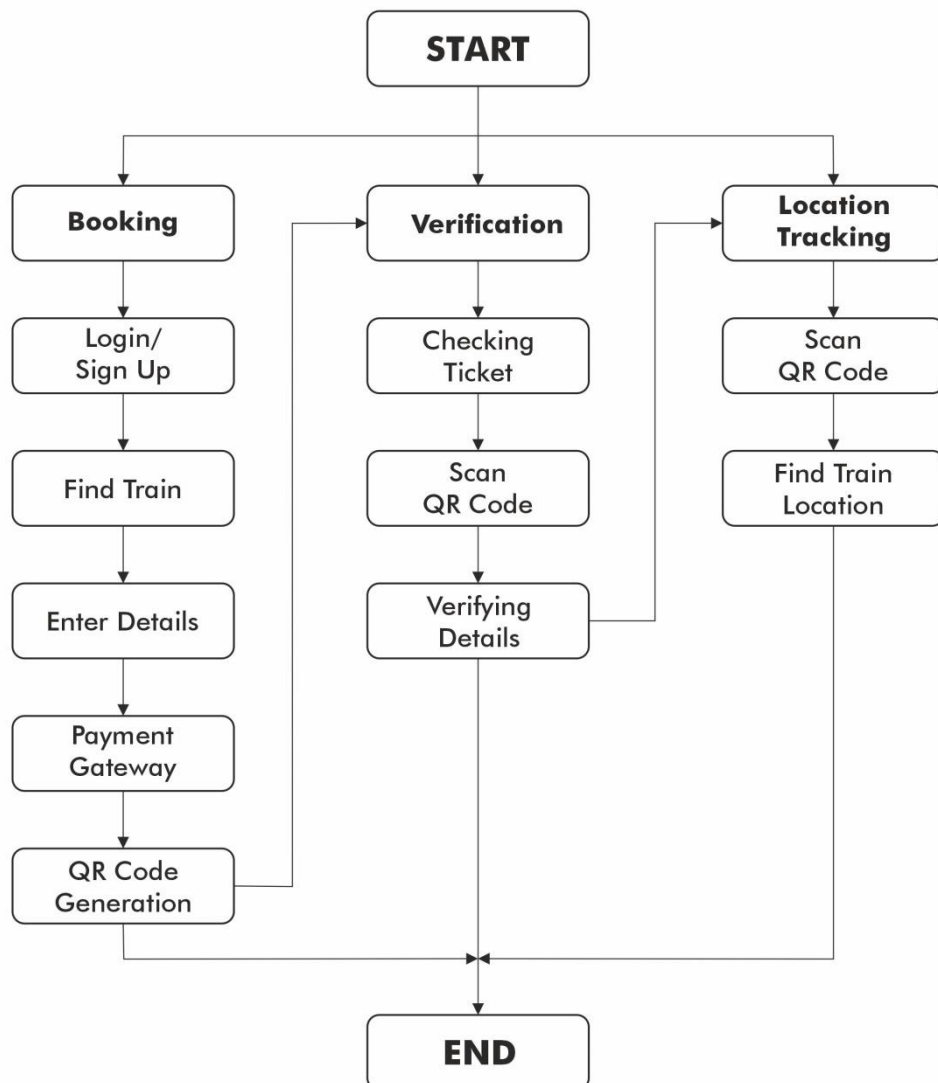
## User Stories:

| User Type | Functional Requirement (Epic) | User Story Number | User Story / Task | Acceptance Criteria | Priority | Release |
|---|---|---|---|---|---|---|
| Customer | New use Sign up | USN-2 | As a new user, I can create new account in the web portal by entering my details | I can also get verification to my G-mail account | High | Sprint-1 |
| | Login | USN-2 | I can login my account in the webpage without any disturbance. | I can login with maximum speed | Medium | Sprint-1 |
| | Find train | USN-3 | As a customer, I can find the available train from the web portal from the nearest location | I can find the all available trains to the destination | High | Sprint-1 |
| | Booking tickets | USN-4 | As a user, I can book a train ticket from the web portal by entering the passenger details | I can easily enter passenger details | Medium | Sprint-1 |
| | QR generation | USN-5 | As a user I generate the ticket number along with the QR Code | I can get QR code of my ticket | High | Sprint-2 |
| Verification of Ticket | Checking tickets | USN-6 | As a TTR, I can verify the passengers authentication and tickets originality | Originality of the tickets can be verified | Medium | Sprint-2 |
| | Scan QR Code | USN-7 | As a TTR, I can scan the QR code and I can check the details of the passenger | QR code can be scanned successfully | High | Sprint-2 |
| Location Tracking | Scan QR Code | USN-8 | As a passenger, I can find eh link of the train location while scanning the QR Code | QR code can detect on the scanner | High | Sprint-2 |
| | Train Location | USN-9 | As a passenger, I can find the live location of the train which I have booked | Location of the train is visible | High | Sprint-2 |