

Project Design Phase-II

Data Flow Diagram & User Stories

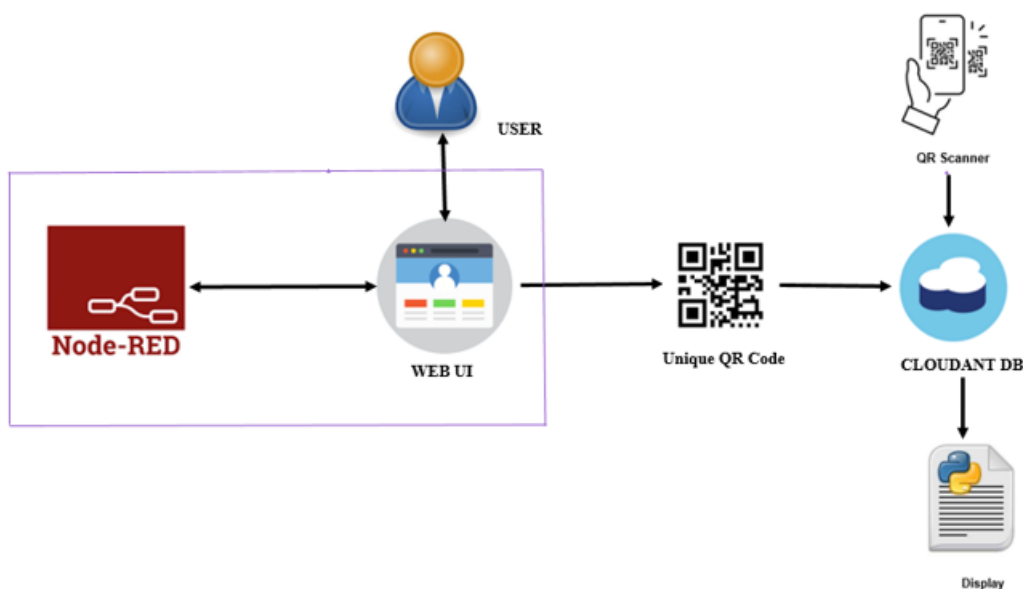
Date	15 October 2022
Team ID	PNT2022TMID18159
Project Name	SMART SOLUTION FOR RAILWAYS
Maximum Marks	4 Marks

Data Flow Diagrams:

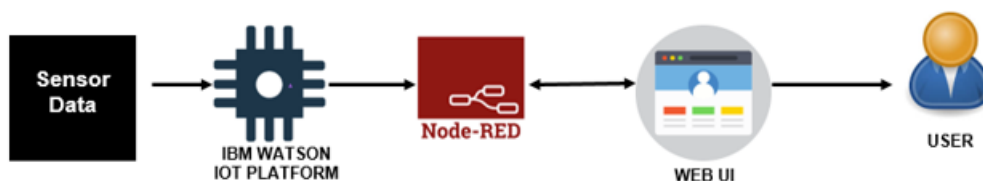
A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

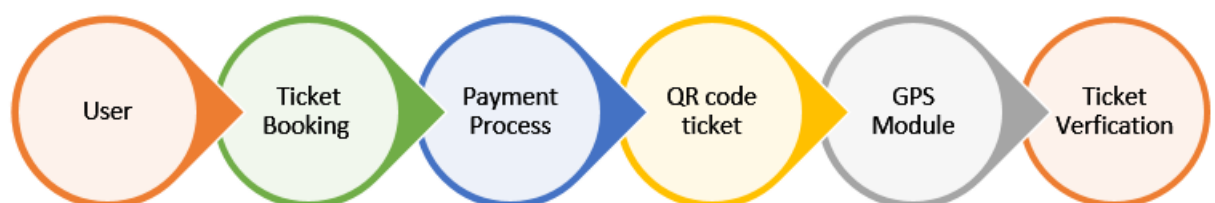
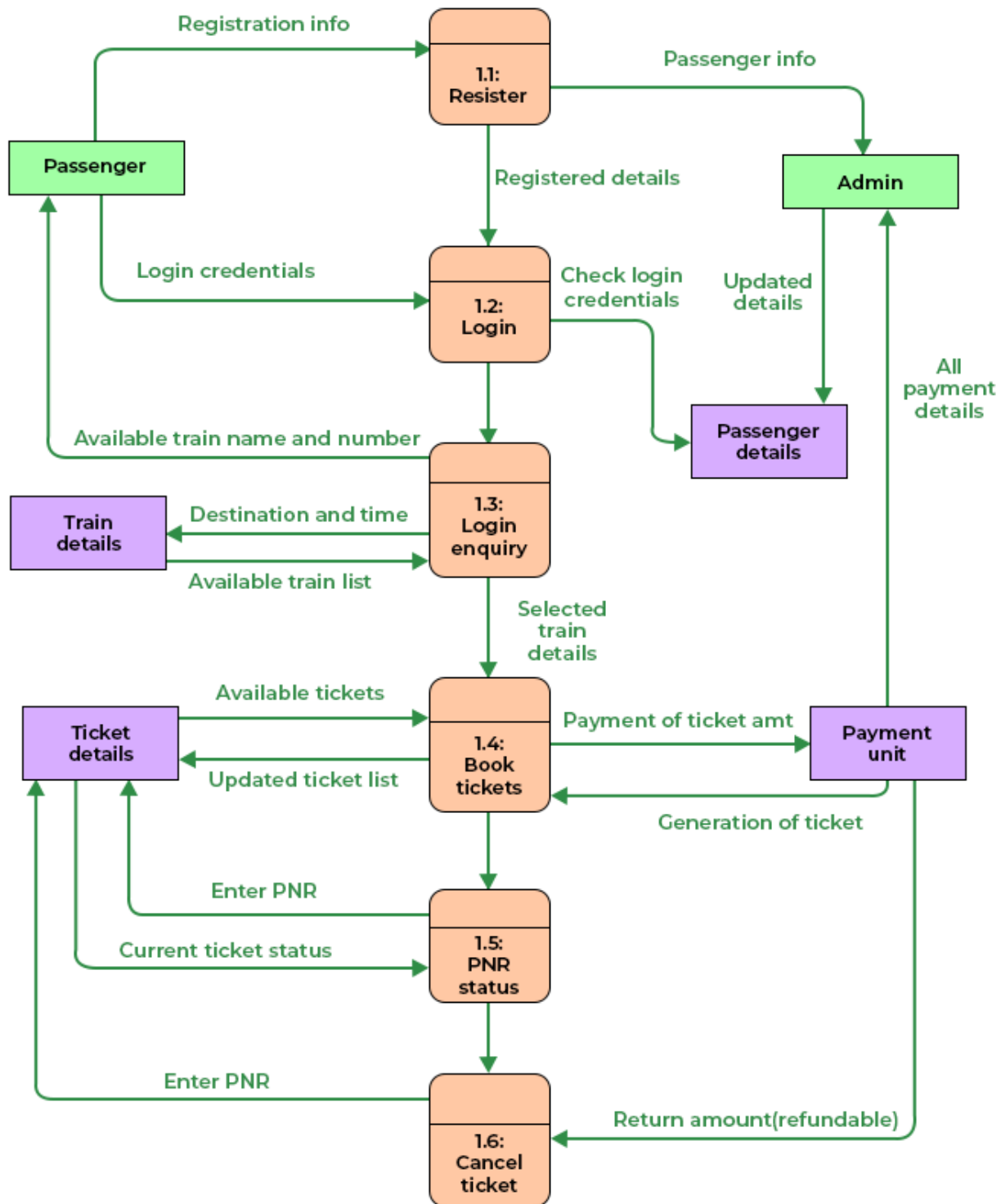
- 1) User register login and fill application for booking ticket
- 2) Authorised documents are uploaded and verified
- 3) Cloud database used for data collection and info
- 4) QR generated with corresponding details
- 5) During journey, ticket is verified with QR scanner

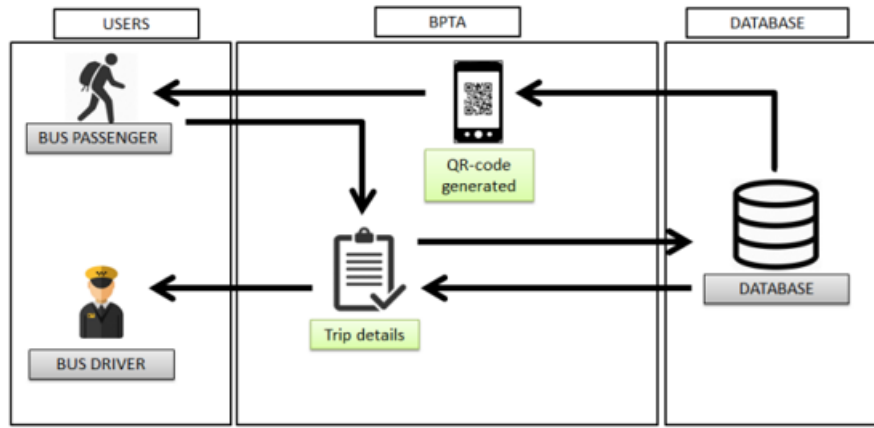
Ticket Generation and Verification:



Live Location Tracking:







User Stories

Use the below template to list all the user stories for the product.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority	Release
Customer (Mobile user)	Reserving ticket	USN-1	As a user, I can register for the application by entering my email, password..	I can access my account / dashboard	High	Sprint-1
Customer (Mobile user)	Conformation ticket	USN-2	As a user, I will receive confirmation email and final confirmation is verified	I can receive confirmation email	High	Sprint-1
Customer (Mobile user)	Final conformation	USN-3	As a user, I will get the QR code ticket to travel	I can receive QR code ticket viva mail	Low	Sprint-2
Customer (Mobile user)	Dashboard	USN-4	The details will be stored safely	I can access it using database	Medium	Sprint-1
Customer (Mobile user)	Last minute vacancy availability	USN-5	As a user, I can get ticket according to unfilled seats	I can access it using seat availability web server	High	Sprint-2
Customer (Web user)	Ticket Verification	USN-6	As a user, The ticket can be verified by TTR to check the details of passenger	QR code ticket scanned and verified	High	Sprint-1
Customer (Web user)	Live location tracker	USN-7	As a user, The live location can be tracked consistently	Location is tracked	High	Sprint-3
Customer (Web user)	Ticket Cancellation	USN-8	As a user, I can cancel my ticket and get the refund back with assurance.	I can access it through dashboard.	High	Sprint-2
Customer Care Executive	Connecting the service provider	Customer-1	Connects with the service and helpline are available.	Can get connected with the server	Medium	Sprint-3
Customer Care Executive	Medical Facility	Customer-2	In emergency, medical care given 24*7hrs and free service is provided	Toll free number provided so connected to service provider	Medium	Sprint-3
Administrator	Provides the services	Admin-1	The data is collected and stored in cloud for future customer registration.	Can add or update the data provided by the user	High	Sprint-1