

Project Design Phase-II

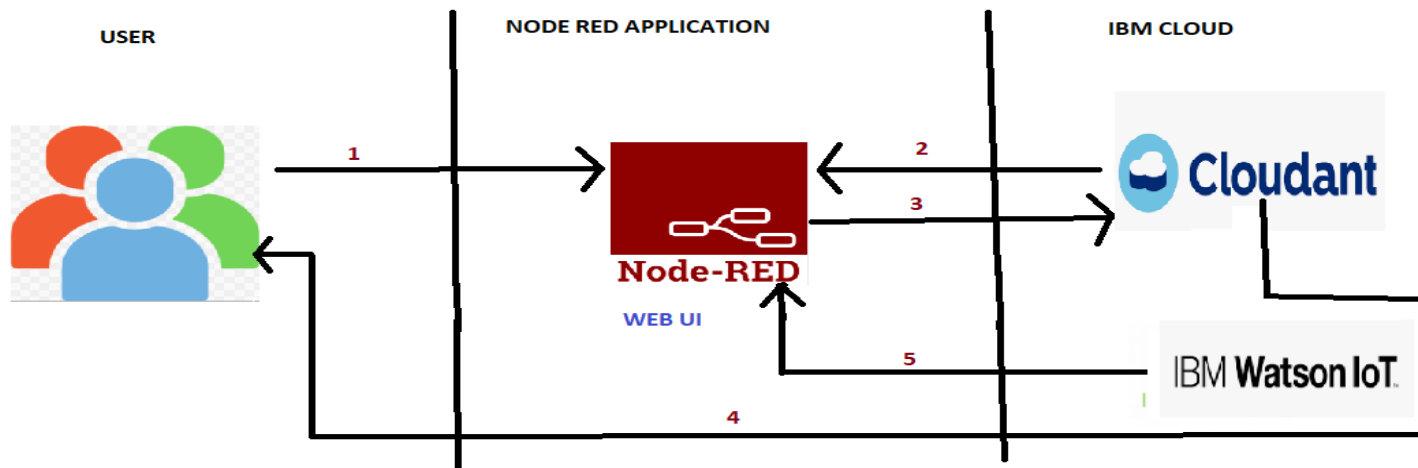
Data Flow Diagram & User Stories

Date	23 October 2022
Team ID	PNT2022TMID25909
Project Name	Project – Smart solution for railways
Maximum Marks	4 Marks

Data Flow Diagrams:

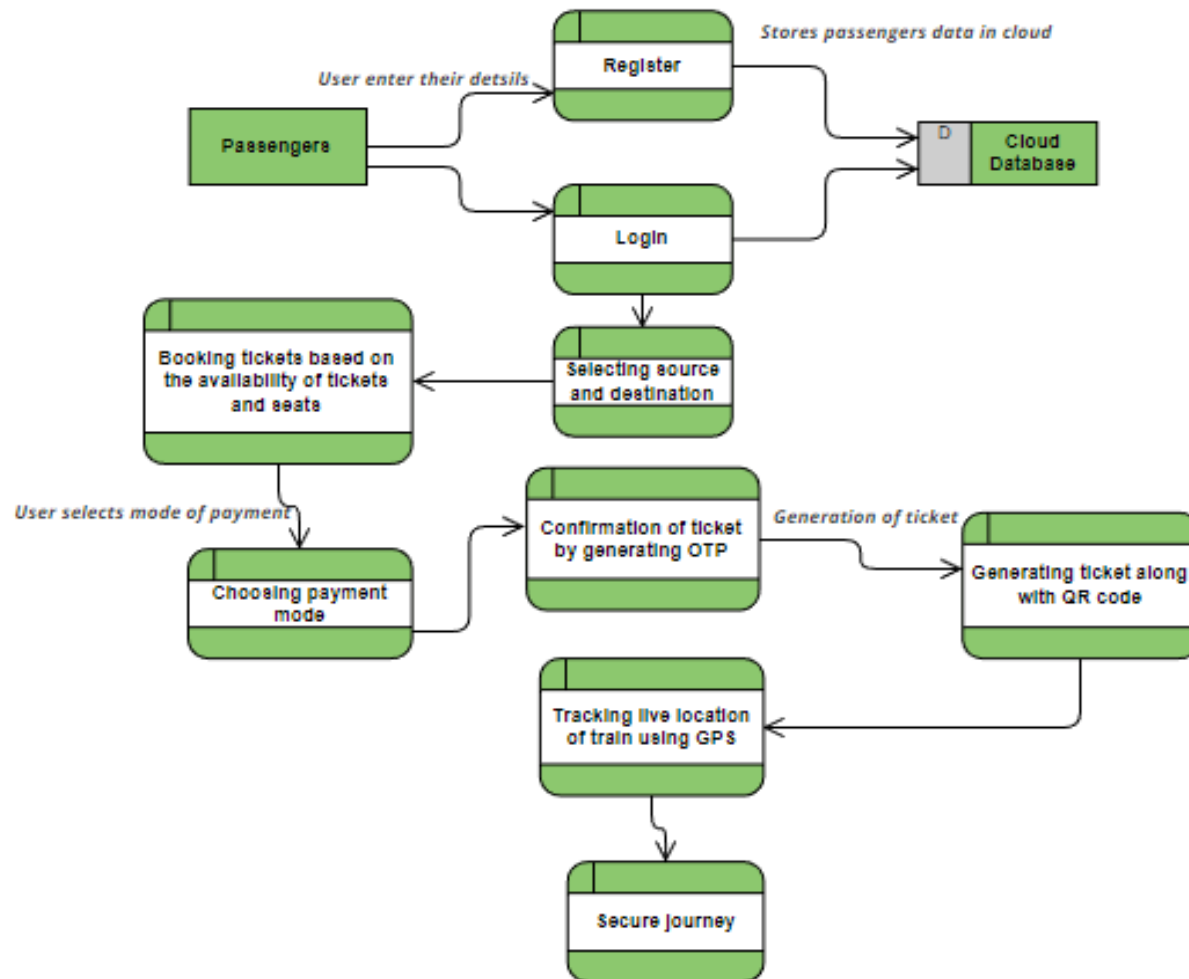
A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is stored.

Example: [\(Simplified\)](#)



1. User logs in to the website using the credentials and searches for the intended train.
2. As a result, the status of the train is reported.
3. The user needs to book tickets and wait for the confirmation.
4. QR code will be generated for the train.
5. The location of the train is tracked via Watson IOT device which can be visualized in Node Red.

DFD Level 0



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)	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	I can access my account / dashboard	High	Sprint-1
Customer (Mobile user)	Registration	USN-2	As a user, I will receive confirmation email once I have registered for the application	I can receive confirmation email & click confirm	High	Sprint-1
Customer (Mobile user)	Registration	USN-3	As a user, I can register for the application through Facebook	I can register & access the dashboard with Facebook Login	Low	Sprint-2
Customer (Mobile user)	Registration	USN-4	As a user, I can register for the application through Gmail	I can register & access the dashboard with gmail login	Medium	Sprint-1
Customer (Mobile user)	Login	USN-5	As a user, I can log into the application by entering email & password	I can access the website by entering the valid email & password	High	Sprint-1
Customer (Mobile user)	Dashboard	USN-6	As a user, I can see the elements in the dashboard after logging into the application.	I can check for ticket status and generate QR code in dashboard.	High	Sprint-2
Customer (Web user)	Ticket Booking	USN-7	As a user, I need to enter details and click the book ticket button.	I can access the generated QR code after reserving the ticket.	Medium	Sprint-3
Customer Care Executive	Provide services	USN-8	As a customer care executive, I need to provide necessary services as per customer requests.	I can access the customer's site to check for the issues.	Medium	Sprint-4
Administrator	Access storage	USN-9	As a admin, I can manage the cloud and database.	I can add, delete or update user's data in the database.	High	Sprint-3