

## PROJECT DEVELOPMENT PHASE

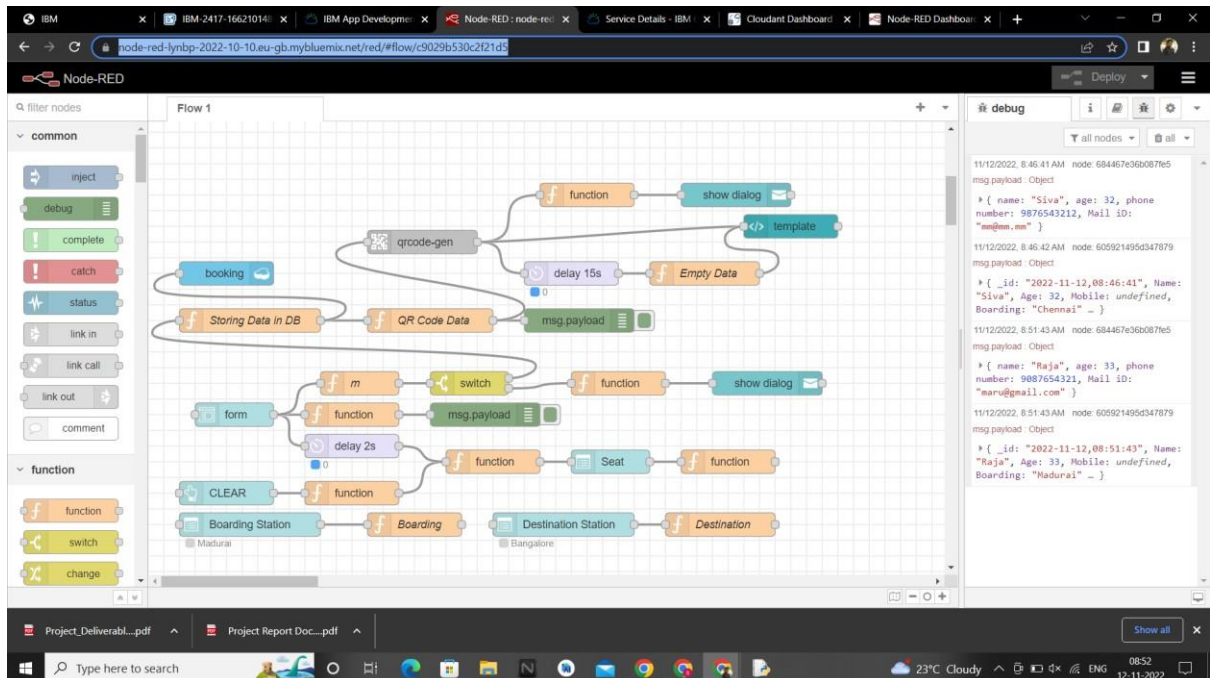
### SPRINT – 2

<b>Date</b>	12 November 2022
<b>Team ID</b>	PNT2022TMID18884
<b>Project</b>	Smart Solutions For Railways

#### Objective:

- To generate a unique QR Code for each ticket and to save all the details in Cloudant DB.
- ❖ Using a Node Red flow editor a flow is built to get the details of the passengers.
- ❖ The passengers must give their name, age, mobile no. along with the details of boarding station, destination station and the seat number.
- ❖ When the passenger click the submit button with all required details they will get a Unique QR code with a dialog box information as “Ticket is Generated”.
- ❖ If the passenger fails to give any correct detail, a dialog box information as “Ticket is not generated” will be displayed and no QR code will be generated.

#### Node Red Flow:



- Three dropdown boxes are given to get the detail of boarding, destination station and the Seat number of the journey from the passenger.
- To get the name, age and mobile number of the passenger a form node is created with these specifications.

- When the passenger click the submit button the flow goes in two ways.
  - ❖ When the passenger gives the seat number which is not booked by anyone before, ticket will be generated.
  - ❖ If the seat number selected by the passenger is already booked by other passenger or if not enough details is provided the ticket will not be generated.

## UI Testing:

- In node red service two groups are created to have two tabs like one for tracking and other one for QR generation.

## In Next Sprint:

- To track the live location of the train a node red flow will be created and it will be tested.