

Topic:

Smart Solution for Railways

Team ID:

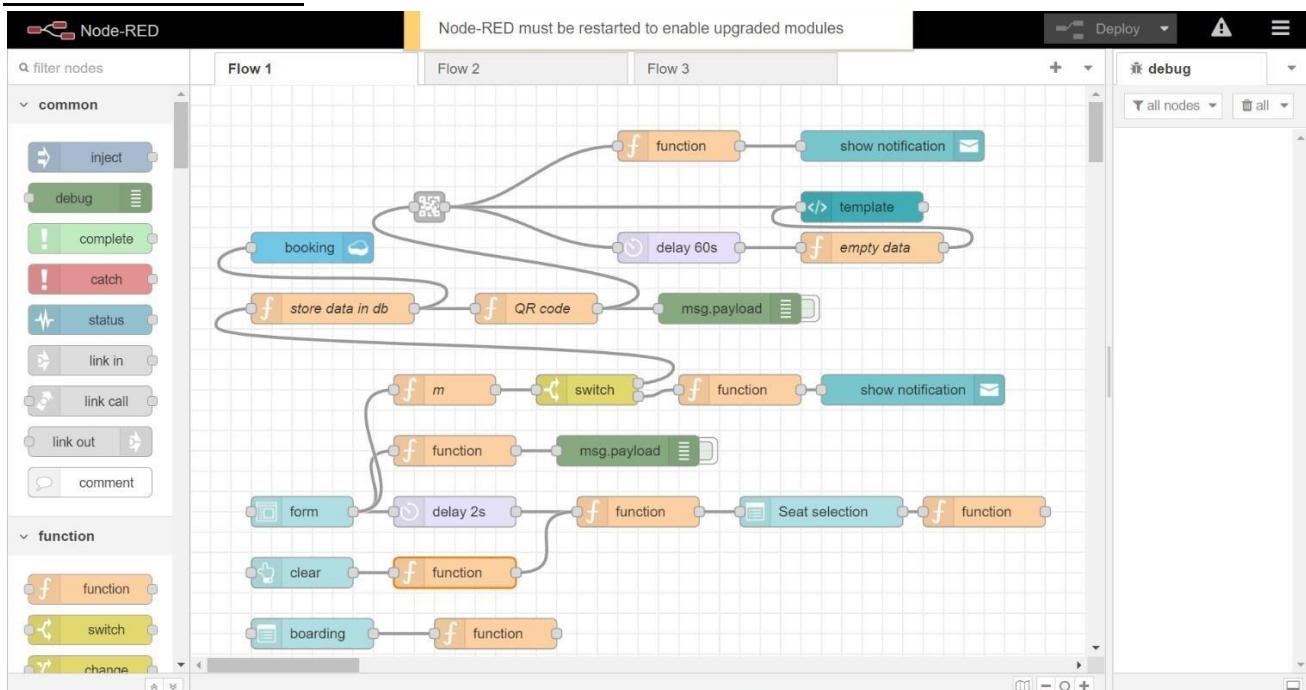
PNT2022TMID18625

SPRINT – 1

PROCEDURE:

- Step 1:** Develop node red application.
- Step 2:** Install the required nodes from manage palette option.
- Step 3:** Connect the node flow.
- Step 4:** Deploy the flow.

WEB APPLICATION:



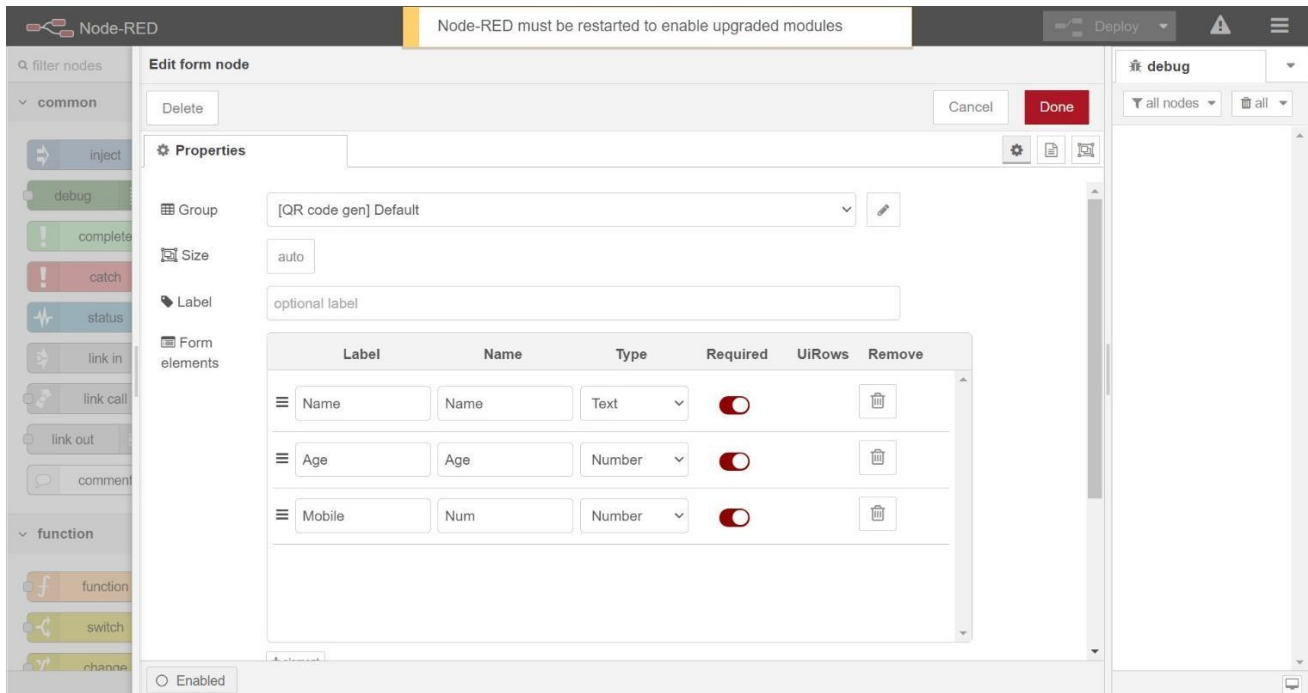
FUNCTION NODE COMMAND TO INDICATE THE AVAILABLE SEATS:

```
var a = global.get('a') for (let i=0;
i<a.length; i++){  s.push(a[i]) }
if(s.length==0) {
  msg.options = [{"No Seats Available":0}]
} else {
  msg.options = s
}
msg.payload = s return msg;
```

FUNCTION NODE COMMAND TO INDICATE THE AVAILABLE SEATS:

```
var s = global.get('s')
var a = global.get('a')
function reg (x){
  for (let i=0; i<a.length; i++){
    if(a[i]==x) {
      a.splice(i,1)
    }
  }
} if
(s==1) {
  global.set ('s1', s)
  reg (s)
}
else if (s==2) {
  global.set ('s2', s)
  reg (s)
}
else if (s==3) {
  global.set ('s3', s)
  reg (s)
}
else if (s==4) {
  global.set ('s4', s)
  reg (s)
}
return msg;
```

FORM DETAILS:



FUNCTION NODE COMMAND TO STORE DATA IN DATABASE:

```

var m = global.get('m') var
d = new Date ();
var utc = d.getTime() + (d.getTimezoneOffset()*60000); var
offset = 5.5;
newDate = new Date (utc+(3600000*offset));
var n = newDate.toISOString() var date =
n.slice (0,10) var time = n.slice (11,19) var d1
= date + ',' + time
msg.payload = {
  "_id": d1,
  "Name": m.Name, "Age":
  m.Age,
  "Mobile": m.Num,
  "boarding": global.get('b'),
  "destination": global.get('d'),
  "Seat":global.get('s')
}
return msg;

```

SEAT DROPDOWN BOX:

Node-RED

Node-RED must be restarted to enable upgraded modules

Deploy

filter nodes

Flow 1

common

inject

debug

complete

catch

status

link in

link call

link out

comment

function

function

switch

change

booking

store data in db

form

clear

boarding

m

fun

de

fun

Edit dropdown node

Delete

Cancel

Done

Properties

Group

[QR code gen] Default

Size

auto

Label

Seat selection

Tooltip

optional tooltip

Placeholder

Select option

Options

1

1

x

2

2

x

3

3

x

4

4

x

Enabled

debug

all nodes

all