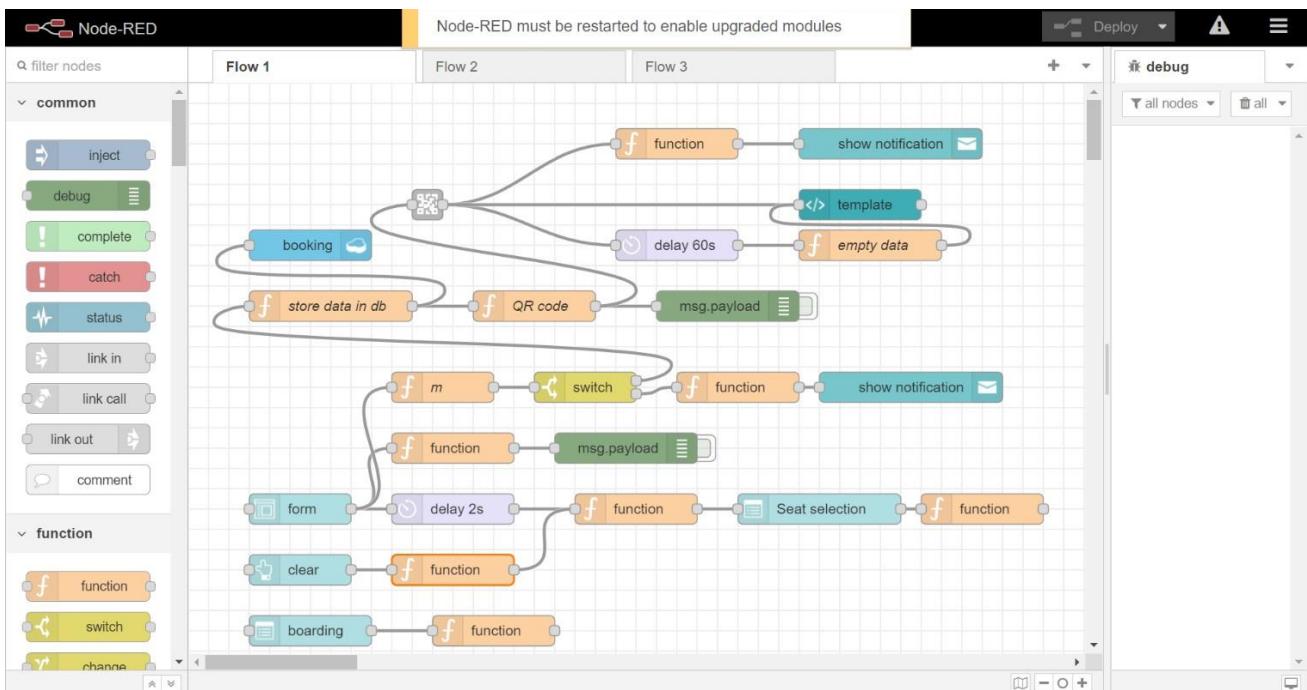


SPRINT – 1

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:



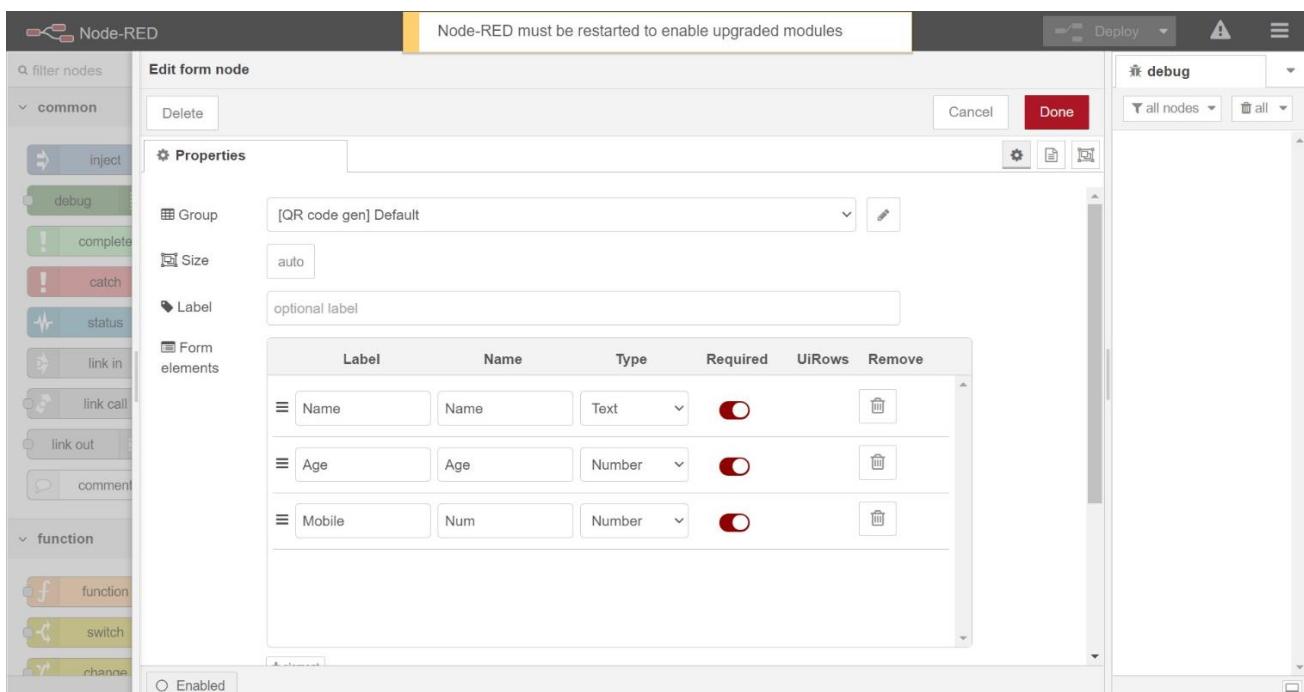
FUNCTION NODE COMMAND TO INDICATE THE AVAILABLE SEATS:

```
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;
```

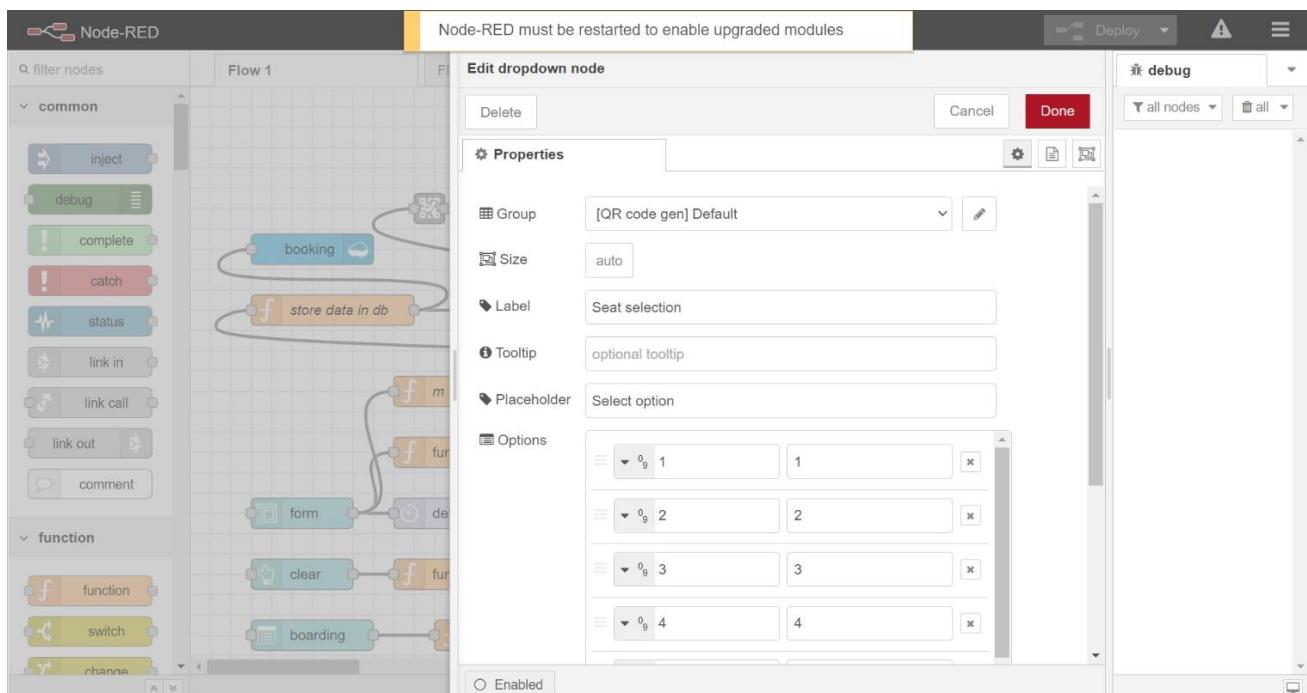
FORM DETAILS:



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 DRODOWN BOX:



Topic:
Smart Solution for Railways

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