

SPRINT-1

Date	12 NOVEMBER 2022
Team ID	PNT2022TMID43868
Project Name	Project – SMART SOLUTIONS FOR RAILWAYS

PROCEDURE:

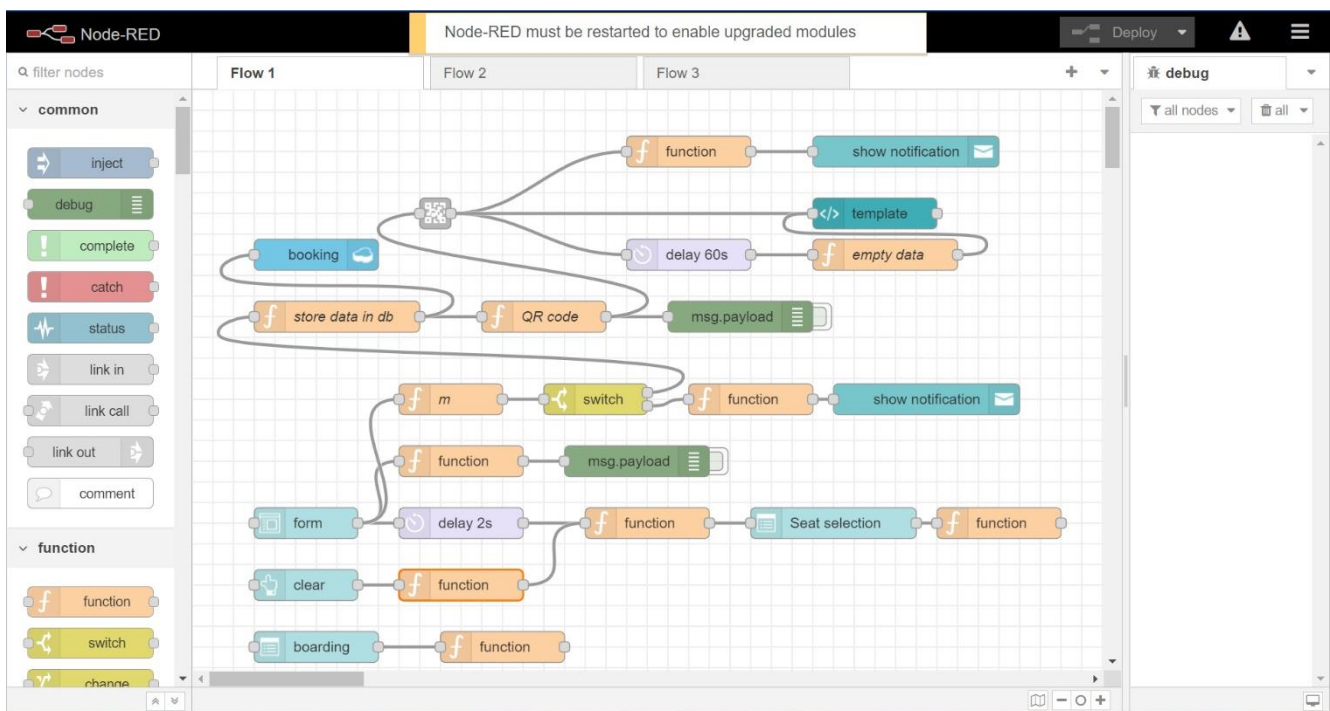
Srep1: Develop node red application

Step2: Install the required nodes from manage palette option

Step3: Connect the node flow

Step4: Deploy the flow

WEB APPLICATION :



FUNCTION NODE COMMAND TO INDICATE THE AVAILABLE SEATS:

```
var a=global.get('a') var
s= []
for(let i=0;i<a.length==0;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 CHOOSE 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)
}
else if(s==4){
global.set('s4',s)
reg(s)
}
return msg;
```

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;
```

FORM DETAILS :

The screenshot shows the Node-RED 'Edit form node' interface. The 'Properties' section includes a 'Group' dropdown set to '[QR code gen] Default', a 'Size' dropdown set to 'auto', and a 'Label' text field containing 'optional label'. Below these is a table for 'Form elements'.

	Label	Name	Type	Required	UiRows	Remove
≡	Name	Name	Text	<input checked="" type="checkbox"/>		
≡	Age	Age	Number	<input checked="" type="checkbox"/>		
≡	Mobile	Num	Number	<input checked="" type="checkbox"/>		

At the bottom left, there is an 'Enabled' checkbox which is currently unchecked.

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

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