

SPRINT-1

Date	12 NOVEMBER 2022
Team ID	PNT2022TMID42281
Project Name	Project – SMART SOLUTIONS FOR RAILWAYS

PROCEDURE:

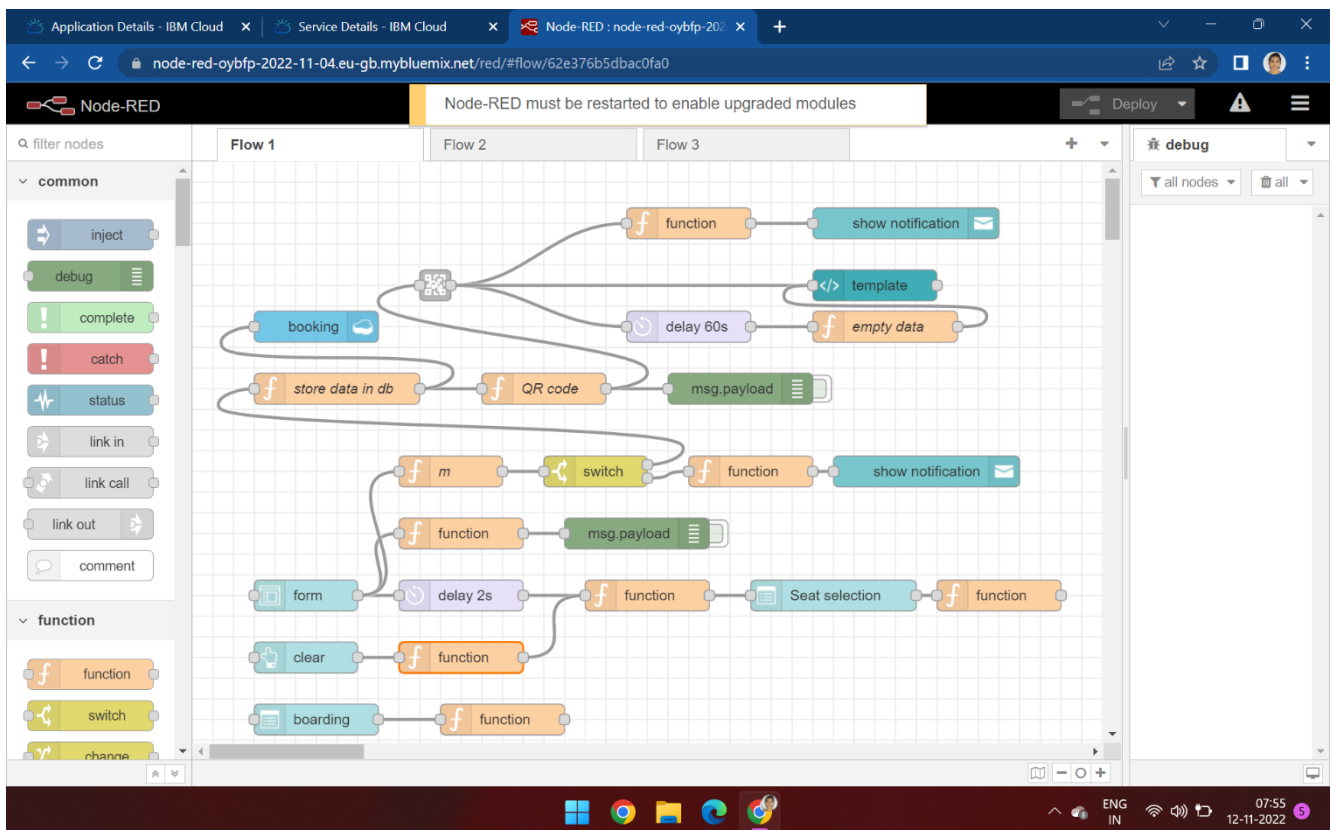
Step1: Develop node red application

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:

Node-RED must be restarted to enable upgraded modules

filter nodes

common

inject

debug

complete

catch

status

link in

link call

link out

comment

function

function

switch

channel

Edit form node

Delete

Cancel

Done

Properties

Group [QR code gen] Default

Size auto

Label optional label

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"/>		

Enabled

debug

all nodes

all

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SEAT DROPDOWN BOX:

Application Details - IBM Cloud | Service Details - IBM Cloud | Node-RED : node-red-oybfp-2022-11-04.eu-gb.mybluemix.net/red/#flow/62e376b5dbac0fa0

Node-RED must be restarted to enable upgraded modules

Node-RED

Flow 1

filter nodes

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

debug

all nodes

all

debug

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

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