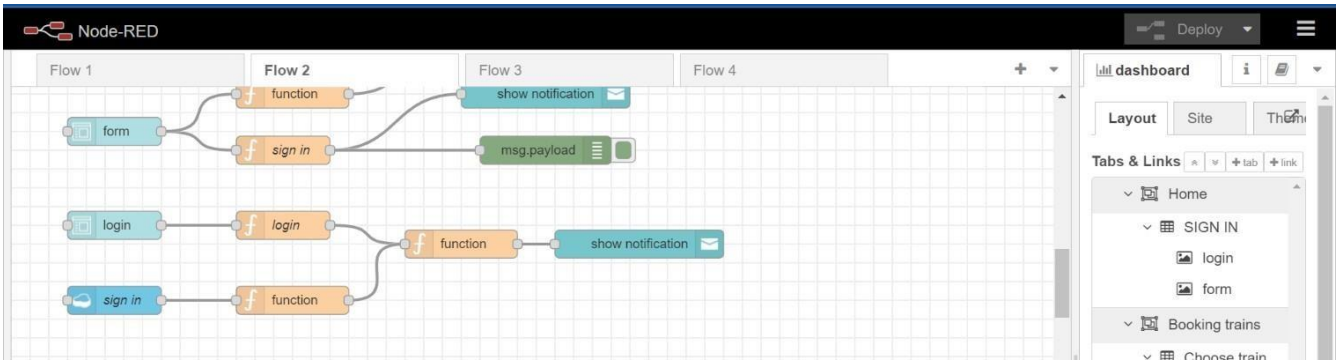
SPRINT-1

Date	19 NOVEMBER 2022
Project Name	SMART SOLUTIONS FOR RAILWAYS

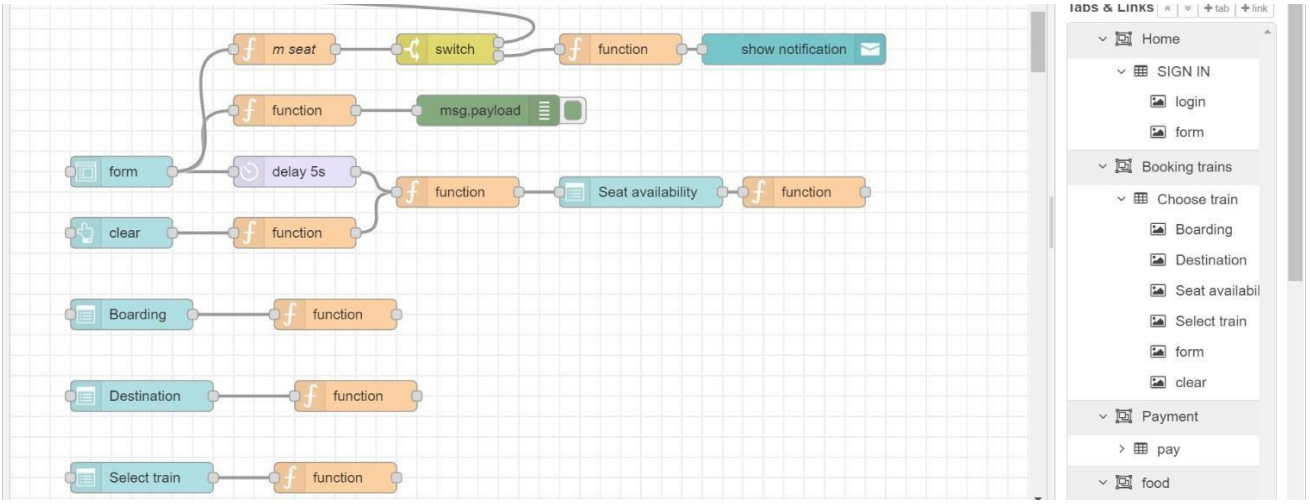
PROCEDURE:

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 :



NODES TO BOOK TRAIN:



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;
```

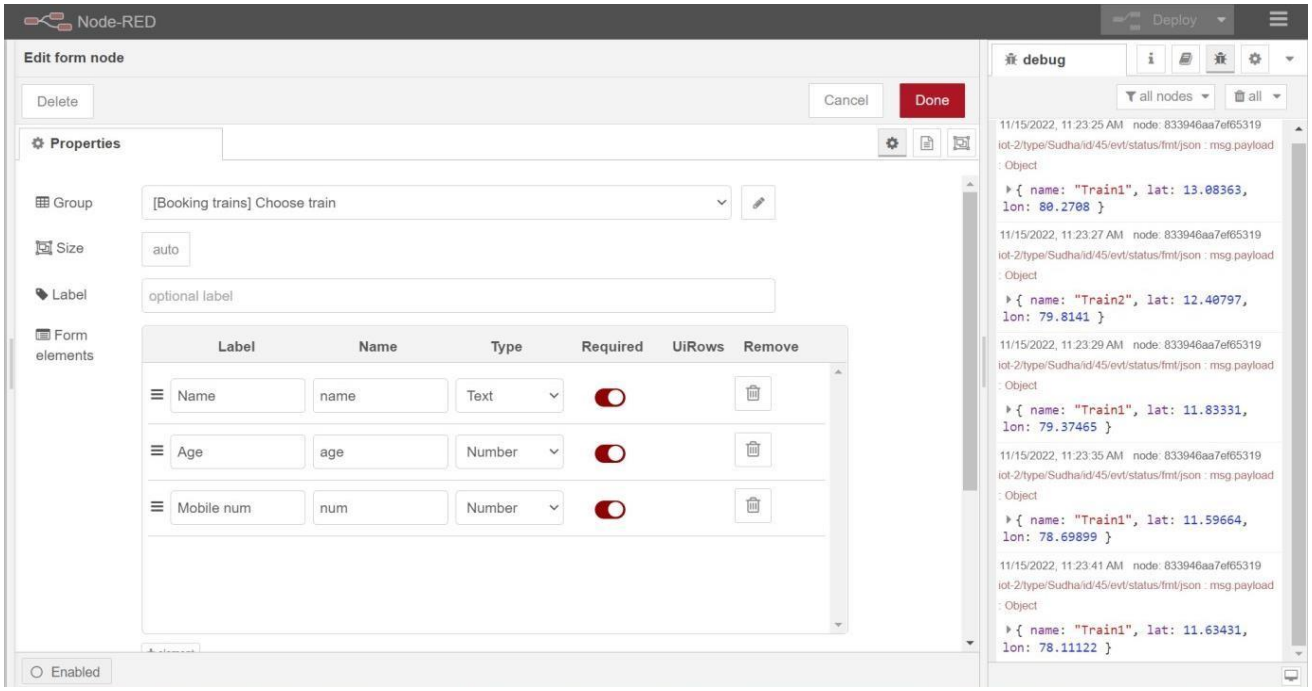
FUNCTION NODE COMMAND TO CHOOSE THE AVAILABLE SEATS:

```
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;
```

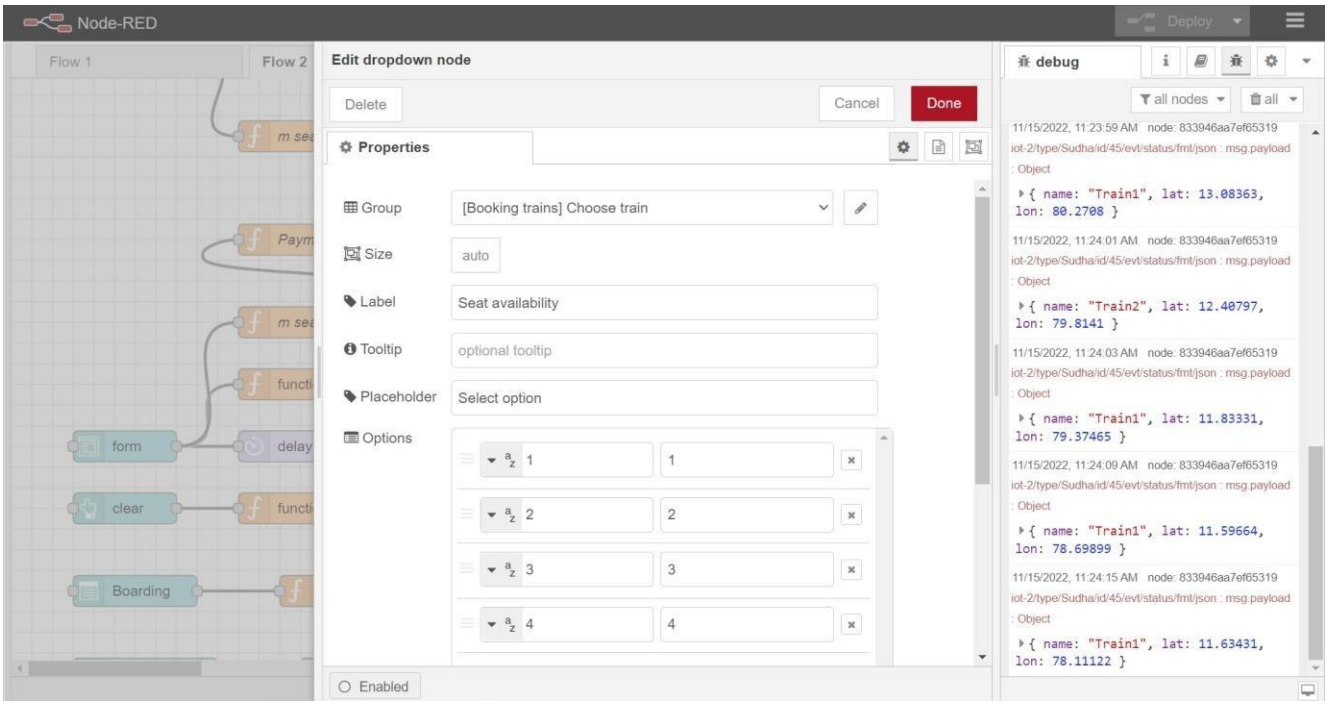
FUNCTION NODE COMMAND TO STORE DATA IN DATABASE:

```
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;
```

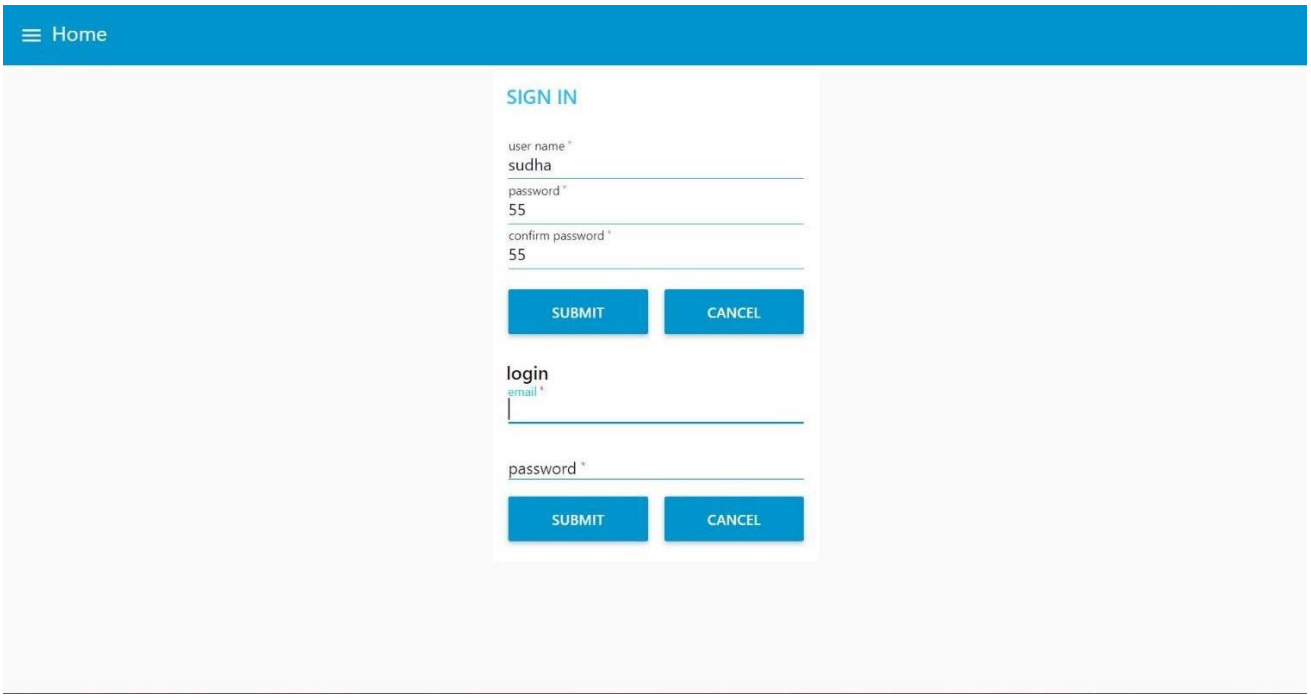
FORM DETAILS:



SEAT DROPDOWN BOX:



WEB UI OUTPUT:



WEB UI FOR TRAIN BOOKING: