# PROJECT   DEVELOPMENTPHASE
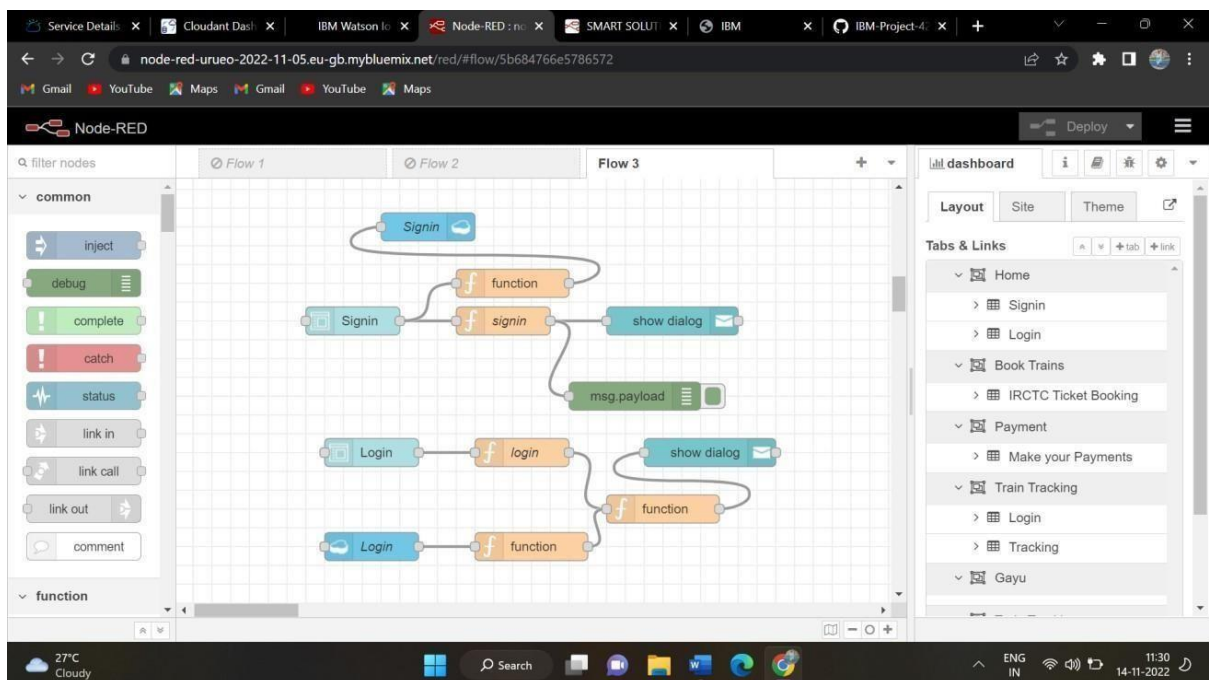
## SPRINT 1

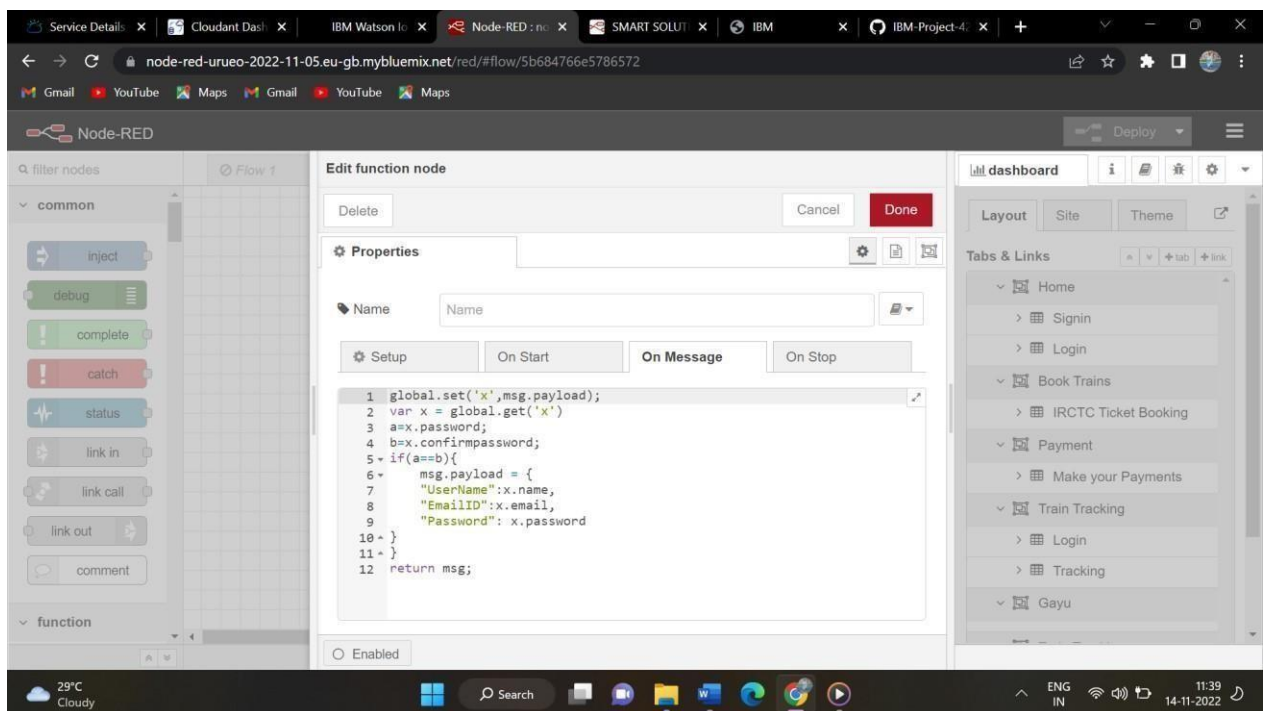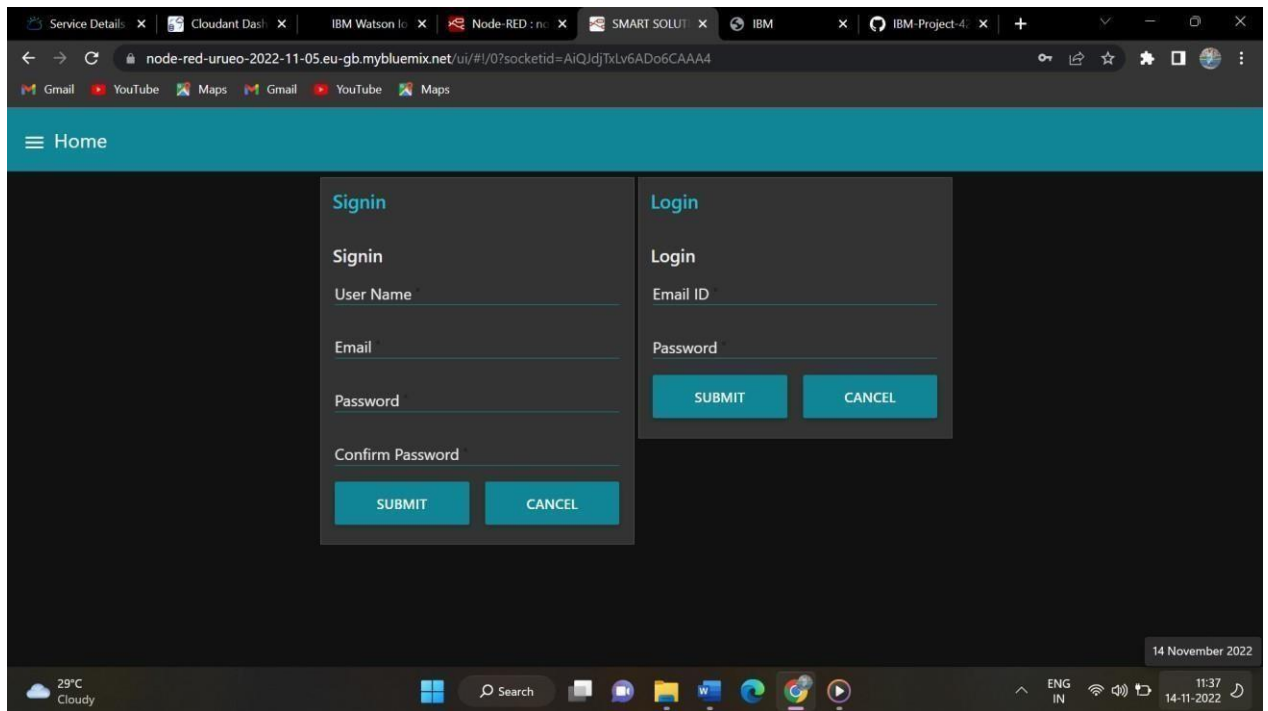| Date | 01 November 2022 |
|------|------------------|
| Team ID | PNT2022TMID45586 |
| Project Name | Smart Solutions For Railways |
| Maximum Marks | 8 Marks |

## SPRINT 1 – Sign in and login

Using the required nodes in the node red, we have implemented sign in andlogin user interface and the customer details are stored in the IBM cloudant database, when they sign in to the website. By using sign in credentials, the user can log on to the website.

NODE-RED FLOW FOR SIGNIN AND LOGIN

## USER INTERFACE FOR SIGNIN AND LOGIN





## *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) r
        eg(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;
```
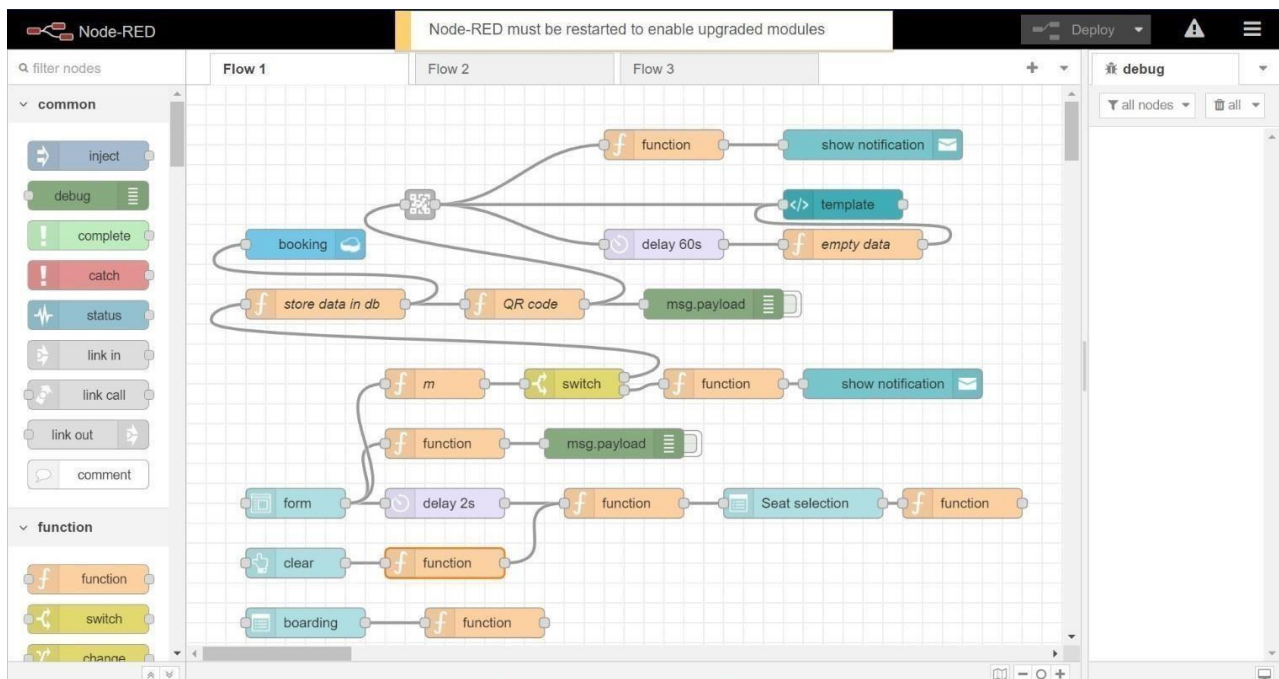
### FUNCTION NODE COMMAND TO STORE DATA IN DATABASE:

```
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;
```

**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 | 🔴 | | 🗑 |
| ≡ | Age | Age | Number | 🔴 | | 🗑 |
| ≡ | Mobile | Num | Number | 🔴 | | 🗑 |

○ Enabled

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**Edit dropdown node**

Delete                                                          Cancel    Done

⚙ Properties

▦ Group        [QR code gen] Default                    ✏

▣ Size         auto

🏷 Label       Seat selection

ⓘ Tooltip      optional tooltip

🏷 Placeholder  Select option

▤ Options

| ≡ | ▼ °₉ | 1 | 1 | ✕ |
|---|---|---|---|---|
| ≡ | ▼ °₉ | 2 | 2 | ✕ |
| ≡ | ▼ °₉ | 3 | 3 | ✕ |
| ≡ | ▼ °₉ | 4 | 4 | ✕ |

○ Enabled