

PROJECT DEVELOPMENT PHASE

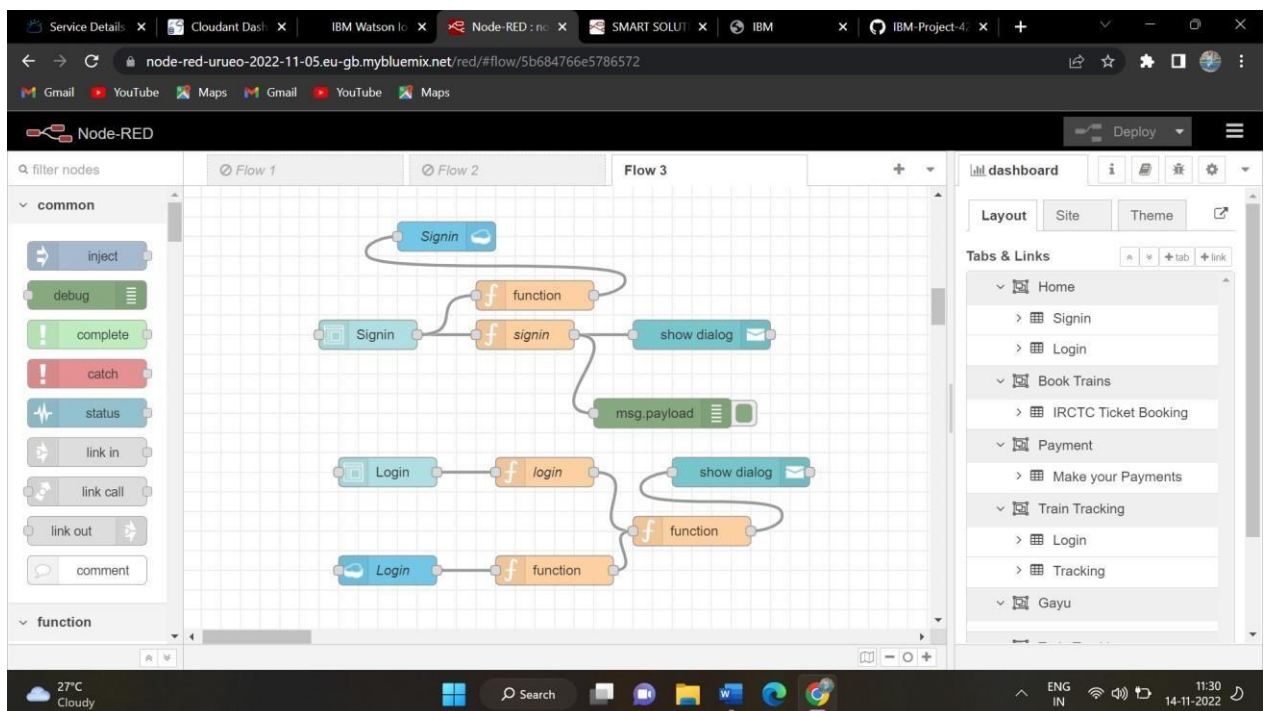
SPRINT 1

| | |
|---------------|------------------------------|
| Date | 01 November 2022 |
| Team ID | PNT2022TMID08702 |
| Project Name | Smart Solutions For Railways |
| Maximum Marks | 8 Marks |

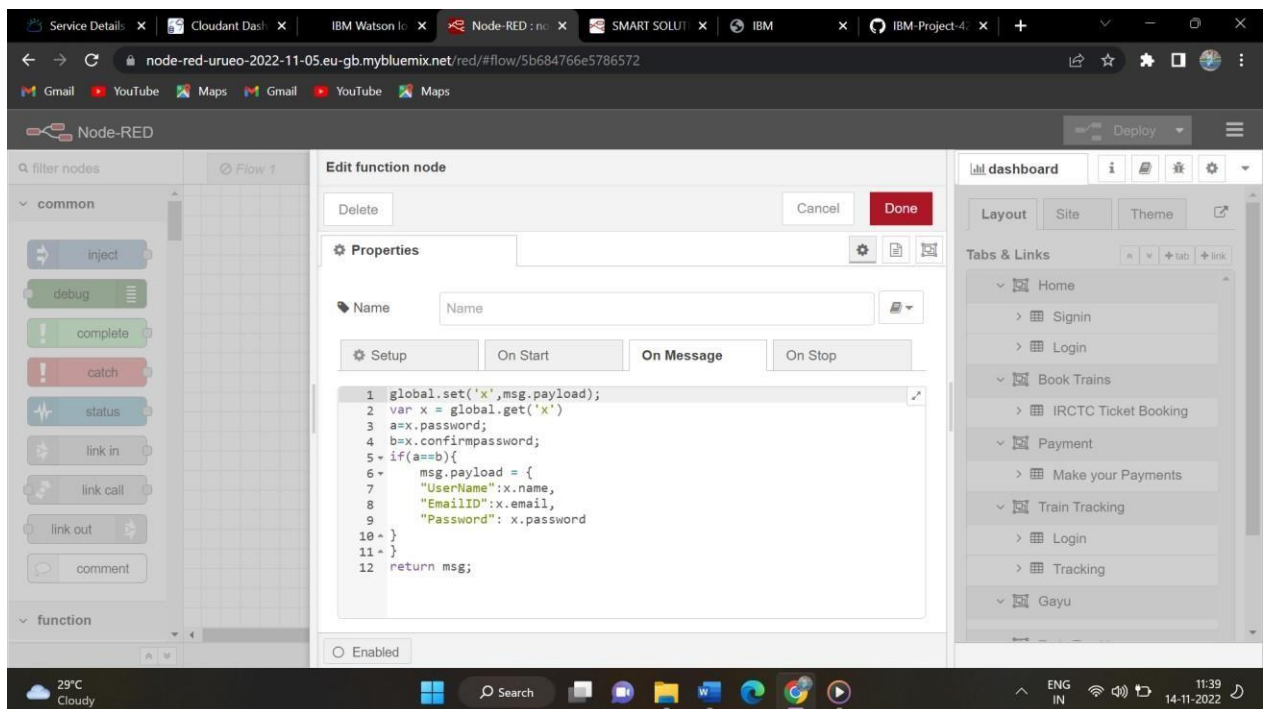
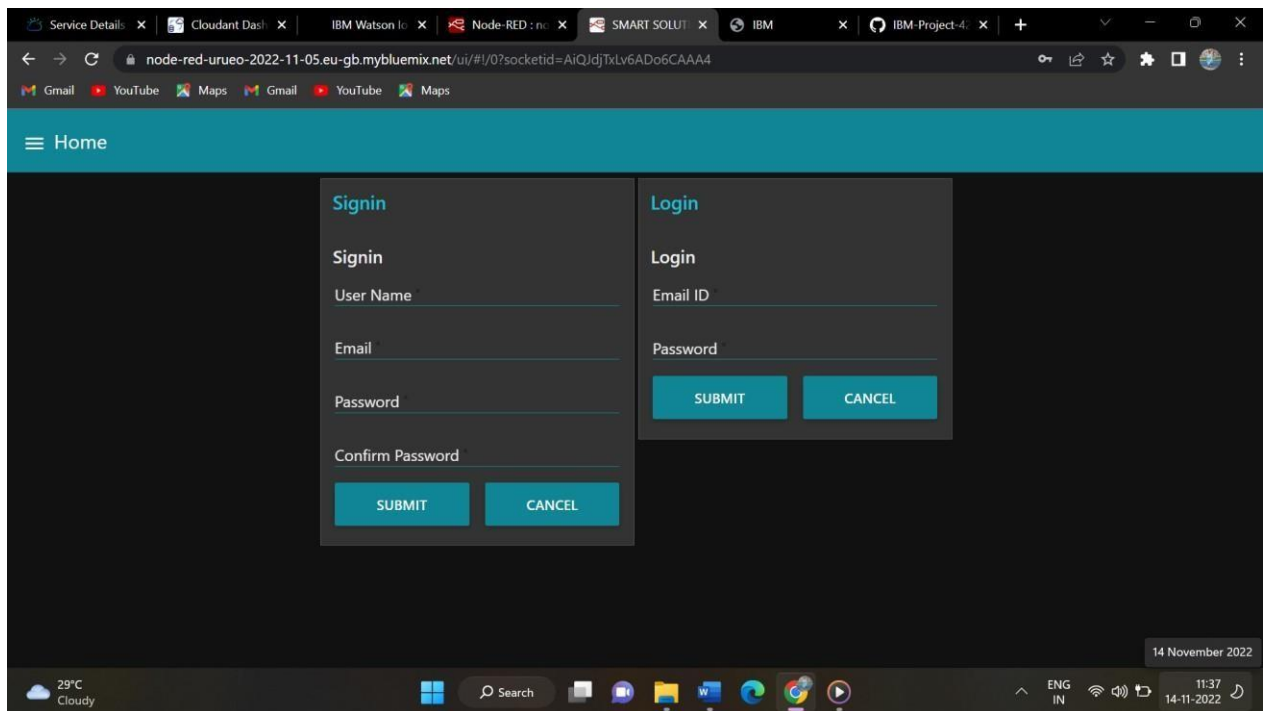
SPRINT 1 – Sign in and login

Using the required nodes in the node red, we have implemented sign in and login 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;

```

