PROJECT DEVELOPMENT PHASE - SPRINT 2

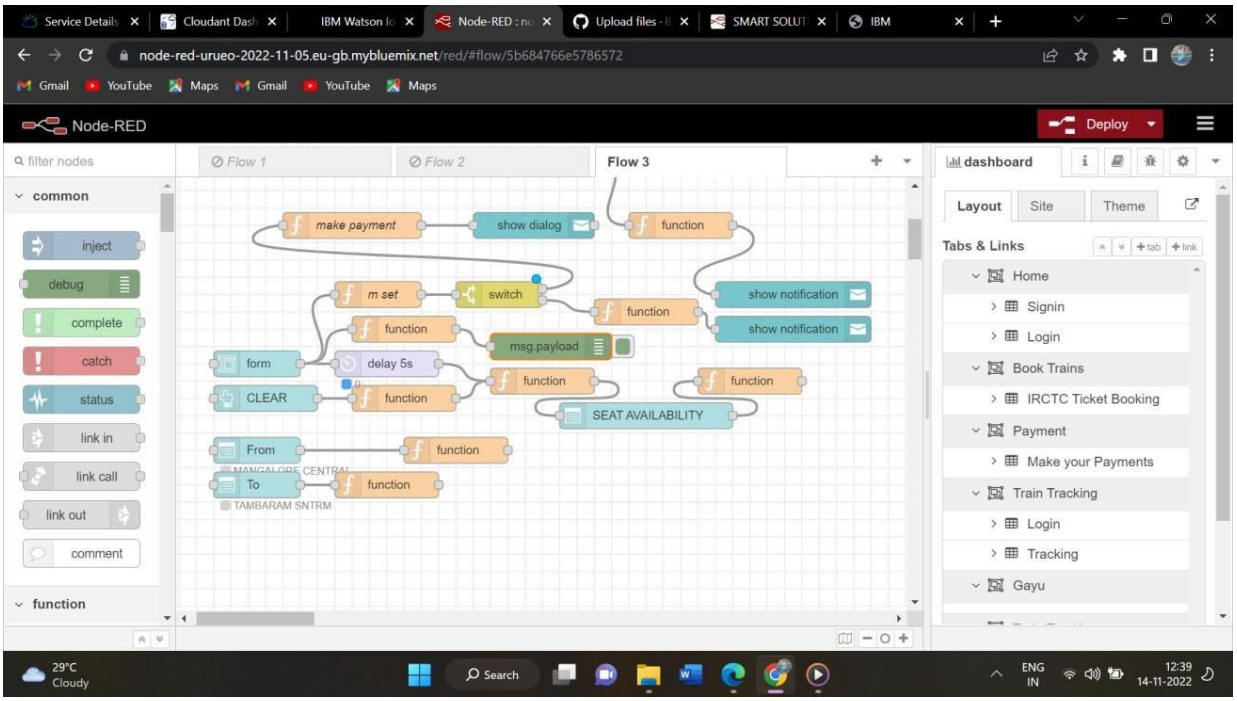
Date	8NOVEMBER 202
Team ID	PNT2022TMID45586
Project Name	Smart Solutions for railways

SPRINT 2 – Train Booking and Payments

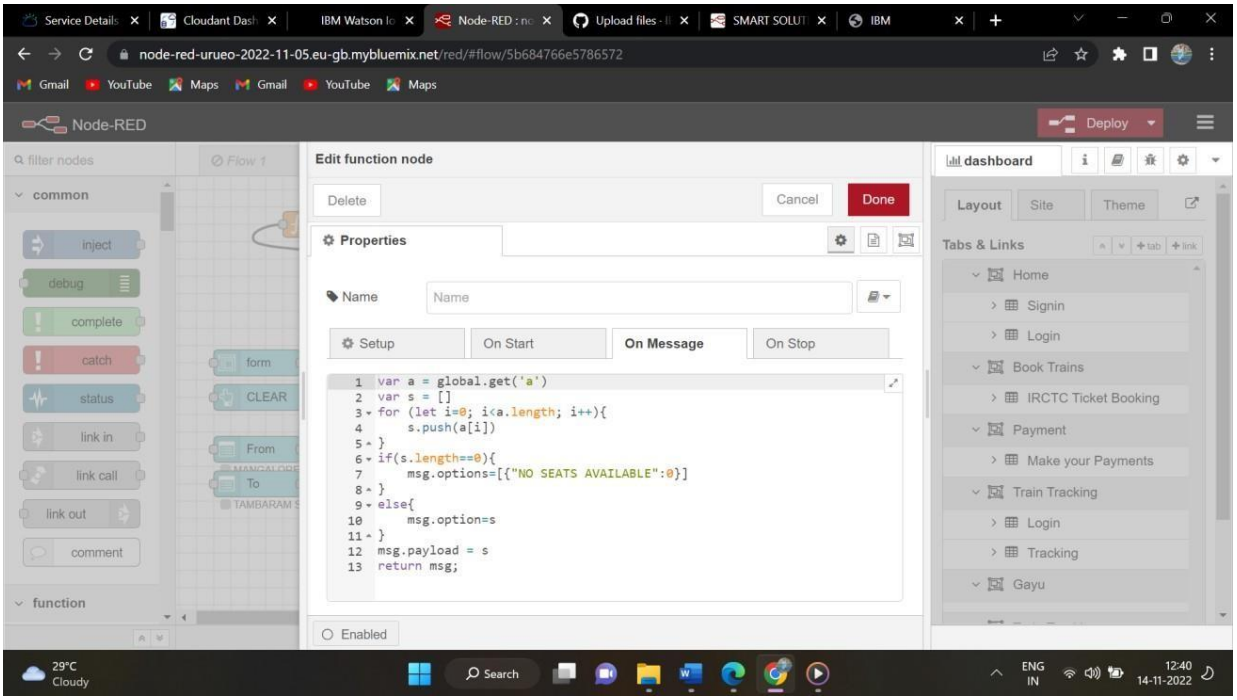
After logging into the website, the user should enter the Travelling details (Boarding and destination status). The user must also enter their personal details. After providing the required details, they are directed to the payment tab.

In the payment section, the user should enter their card details such as NAME, CARD NUMBER and CVV. Once they complete the payment, the ticket will be generated. The user will receive an unique identification (QR code) which will be used for ticket verification.

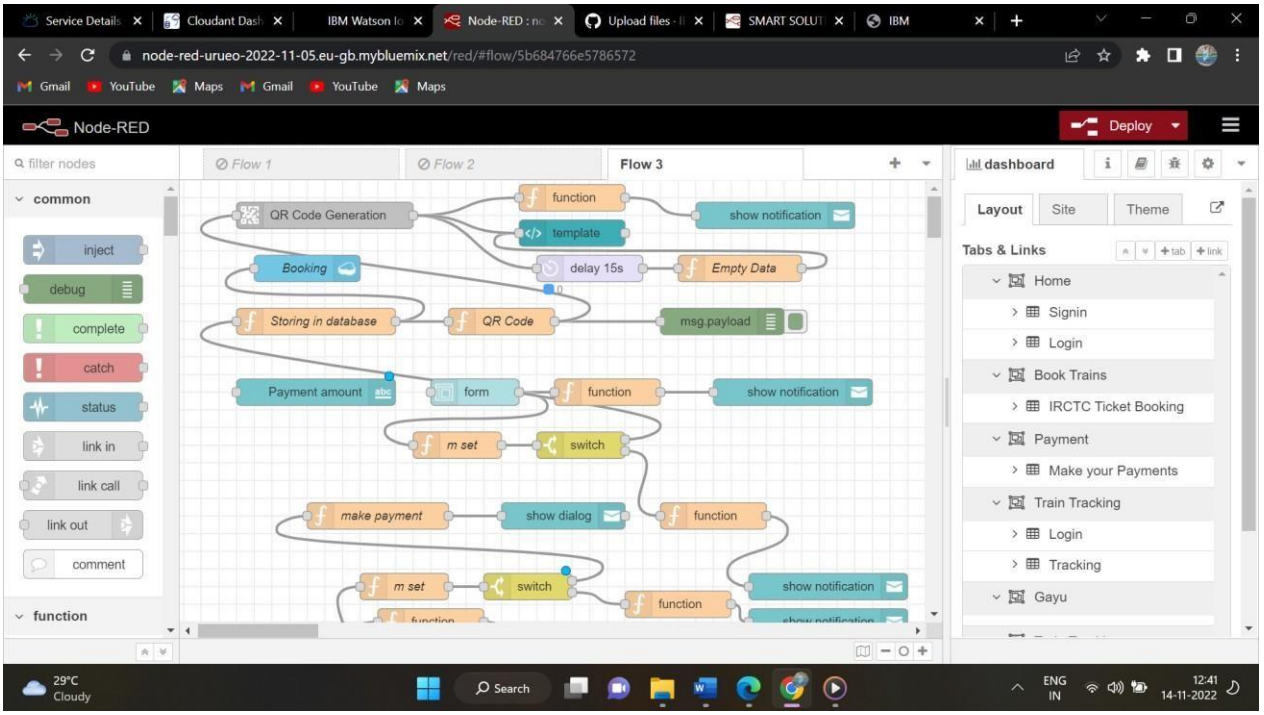
NODE-RED FLOW FOR TICKET BOOKING



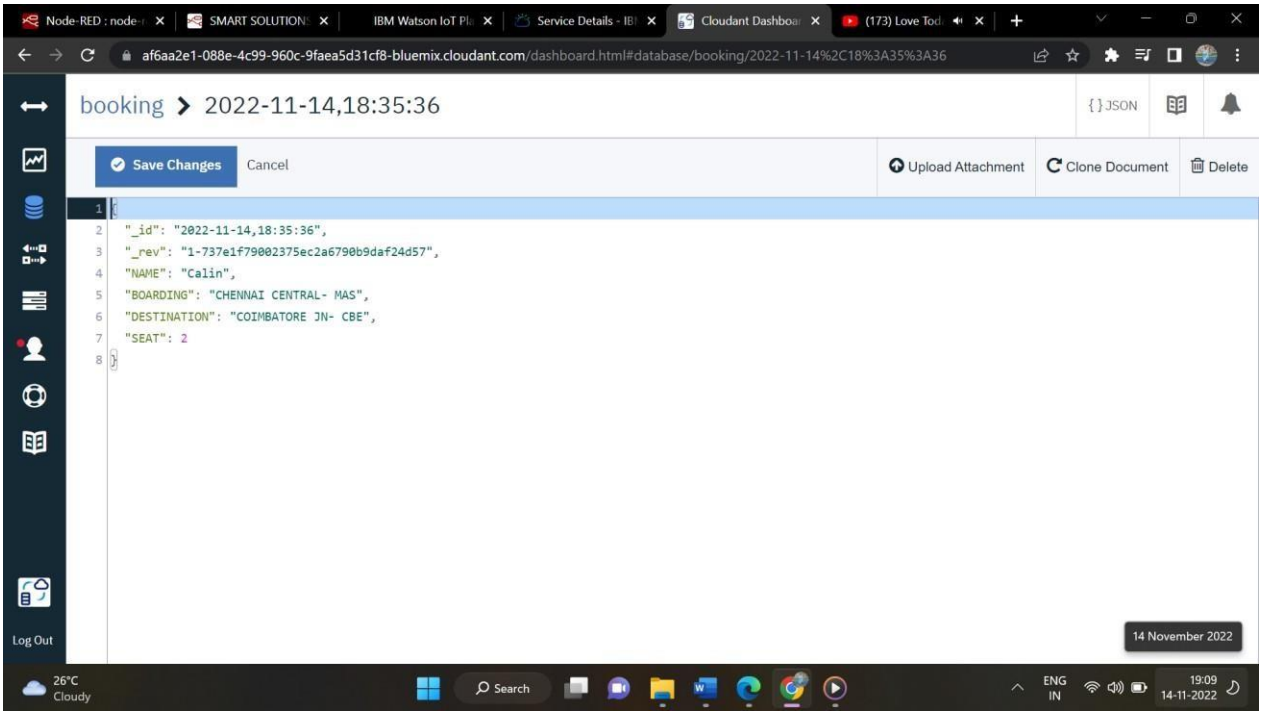
NODE-RED FLOW FOR TICKET BOOKING



NODE-RED FLOW FOR PAYMENT



IBM CLOUDANT SIGNIN DATABASE



PYTHON CODE FOR GPS:

```
 import
wiotp.sdk.devie
import time
import
random
myConfi
g = {
        "identity": {
                "orgId": " s91n0t",
                "typeId": "
                MyDeviceType",
                "deviceId":" 12345"
        },
        "auth": {
                "token": " @)fRE3fdiTS!MaT3F_"
        }
}

def myCommandCallback (cmd):

        print ("Message received from IBM IoT Platform: %s" %
        cmd.data['command'])m=cmd.data['command']


client = wiotp.sdk.device.DeviceClient(config=myConfig,
logHandlers=None)client.connect()


def pub (data):
```

```
        client.publishEvent(eventId="status", msgFormat="json",
        data=myData, qos=0,onPublish=None) print ("Published
        data Successfully: %s", myData)


while True:

        myData={'name': 'Train1', 'lat':13.08363 ,

        'lon': 80.27080}pub (myData)
        time.sleep (2)
        myData={'name': 'Train2', 'lat': 12.40797,
        'lon': 79.81410}pub (myData)
        time.sleep (2)

        myData={'name': 'Train1', 'lat': 11.83331,
        'lon': 79.37465}pub(myData)
        time.sleep(6)

        myData={'name': 'Train1', 'lat': 11.59664,
         'lon': 78.69899}pub (myData)
        time.sleep (6)


        myData={'name': 'Train1', 'lat': 11.63431,
        'lon': 78.11122}pub (myData)
        time.sleep (6)

        myData={'name': 'Train1', 'lat': 11.32207,
         'lon': 77.61684}pub (myData)
        time.sleep (6)

        myData={'name': 'Train1', 'lat': 11.03107,
        'lon': 76.96864}pub (myData)
        time.sleep (6)

        client.commandCallback =
myCommandCallbackclient.disconnect ()
```