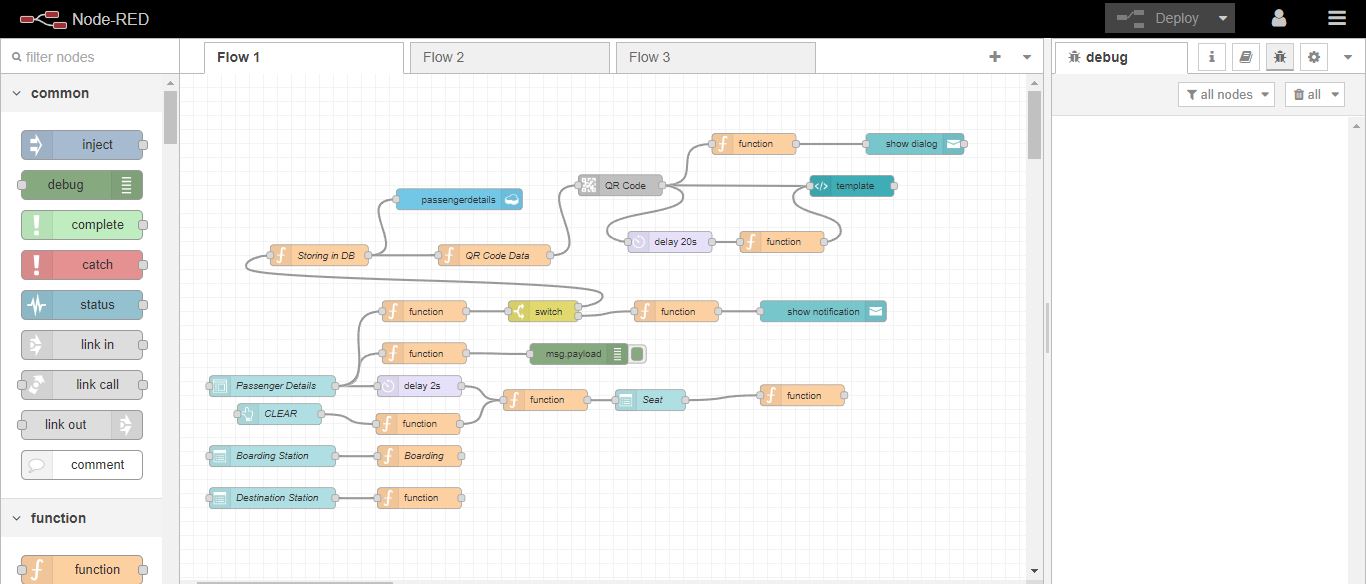
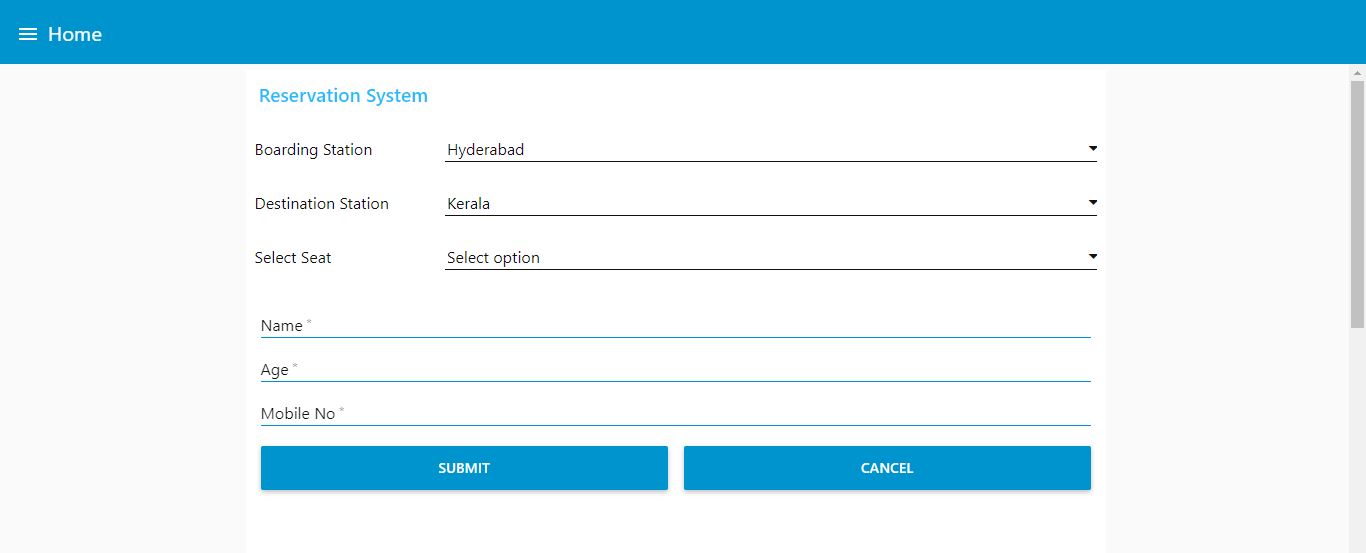
**Sprint – 2**

|  |  |
| --- | --- |
| Date | 02 November 2022 |
| Team ID | PNT2022TMID18193 |
| Project Name | SMART SOLUTION FOR RAILWAYS |
| Maximum Marks | 4 Marks |





**Python code:**

import cv2

import numpy as np

import time

import pyzbar.pyzbar as pyzbar

from ibmcloudant.cloudant\_v1 import CloudantV1

from ibmcloudant import CouchDbSessionAuthenticator

from ibm\_cloud\_sdk\_core.authenticators import BasicAuthenticator

authenticator = BasicAuthenticator('apikey-v2-1om1gapjdursna7dhcddso41bl4a3hgnvc1izb2e8rpv','89ea6d526d06babf7ab9adae943d6e51')

service = CloudantV1(authenticator=authenticator)

service.set\_service\_url('https://apikey-v2-1om1gapjdursna7dhcddso41bl4a3hgnvc1izb2e8rpv:89ea6d526d06babf7ab9adae943d6e51@cc3a7875-5c48-4cce-90b0-cc5fc493e5ed-bluemix.cloudantnosqldb.appdomain.cloud')

cap = cv2.VideoCapture(0)

font = cv2.FONT\_HERSHEY\_PLAIN

while True:

\_, frame = cap.read()

decodedObjects = pyzbar.decode(frame)

for obj in decodedObjects:

#print("Data",obj.data)

a = obj.data.decode('UTF-8')

cv2.putText(frame,"Ticket",(50,50),font,2,(255,0,0),3)

#print(a)

try:

response = service.get\_document(

db = 'passengerdetails',

doc\_id = a).get\_result()

print(response)

time.sleep(5)

except Exception as e:

print("Not a Valid Ticket")

time.sleep(5)

cv2.imshow("Frame",frame)

if cv2.waitKey(1) & 0xFF == ord('q'):

break

cap.release()

cv2.destroyAllWindows()

client.disconnect()