

## Sprint 4

### Testing the web UI by providing the required inputs

Date	6 November 2022
Team ID	<b>PNT2022TMID19465</b>
Project Name	Smart Solutions for Railways
Maximum Marks	8 Marks

### Checking the web UI

Activities Google Chrome Nov 15 23:56

(no subject) x Node-RED x Sprint 3 (1) x Meet - z x IBM-Projec x IBM x Node-RED x Node-RED x +

node-red-dnzfs-2022-11-09.eu-gb.mybluemix.net/ui/#!/?socketid=gfq4qCGYQsYX0t9NAAAR

IBM git 1

Form

Boarding Station Salem

Destination Station Coimbatore

Seat Select option

Details

Name \*

Age \*

Mobile.No \*

SUBMIT CANCEL

## Testing for ticket registration

The screenshot shows a Google Chrome browser window with the URL `node-red-dnzfs-2022-11-09.eu-gb.mybluemix.net/ui/#!/0?socketid=gfq4qCGYQsYX0t9NAAAR`. The browser's address bar and tabs are visible at the top. The main content area displays a form titled "Form" with the following fields:

- Boarding Station: Salem
- Destination Station: Coimbatore
- Seat: 1

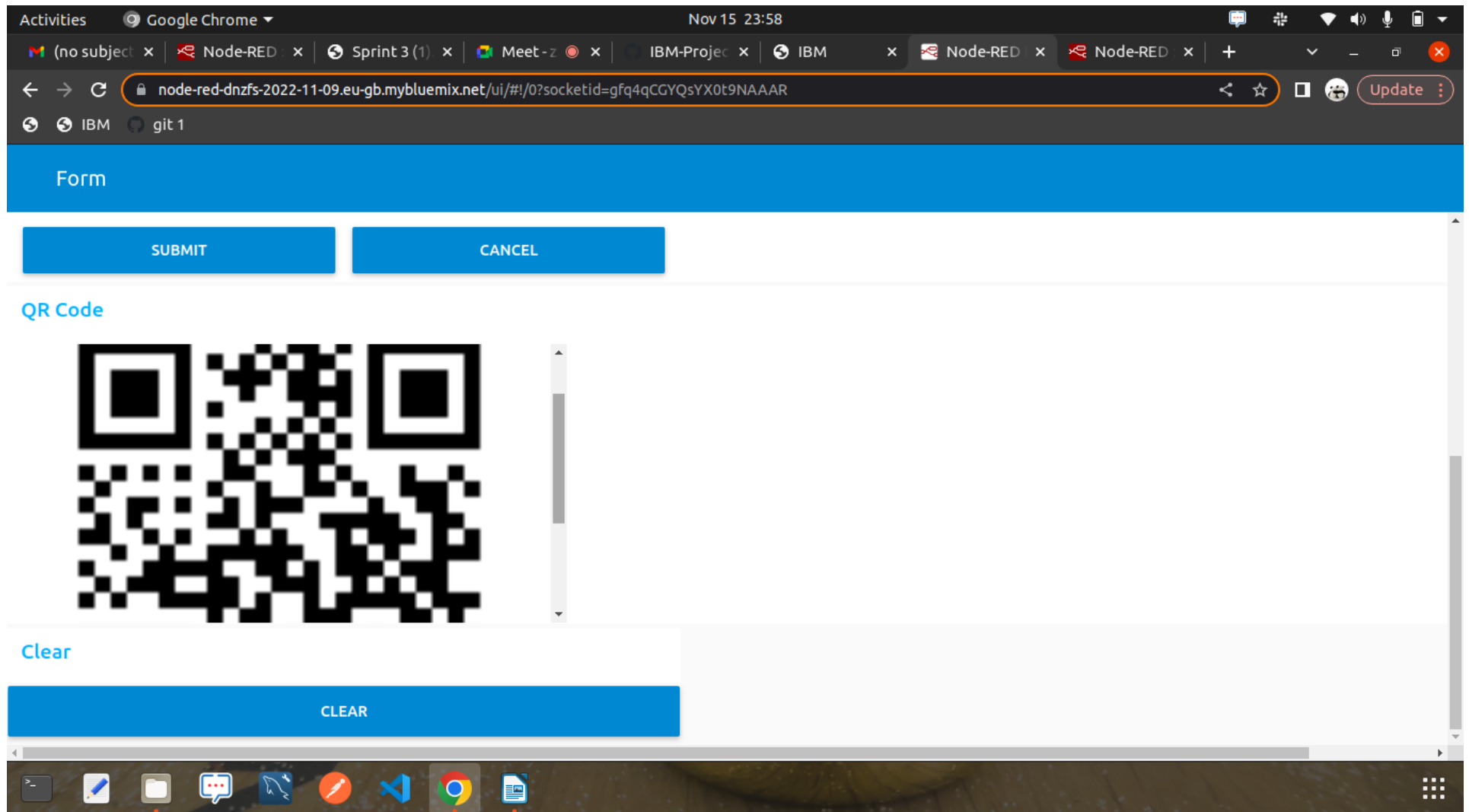
Below these fields is a section titled "Details" with the following fields:

- Name \*
- Age \*
- Mobile.No \*

At the bottom of the form are two buttons: "SUBMIT" and "CANCEL". A white modal dialog box is centered over the form, displaying the message "Ticket is Generated/Reserved" and an "OK" button.

Generated successfully-test case passed

## Testing for QR code generation



Generated successfully-test case passed

## Testing for Storing in database

Activities Google Chrome Nov 16 00:19

Inbox (2,525) - kov x Meet - zze-jtoh x IBM-Project-3238 x IBM Service Details - IE x Cloudbant Dashbo x

932393aa-9f82-4144-9251-2c519fb30962-bluemix.cloudant.com/dashboard.html#database/booking/\_all\_docs Update

IBM git 1

booking

Document ID Options { } JSON

All Documents +

Query

Permissions

Changes

Design Documents +

Log Out

Table Metadata { } JSON Create Document

	id	key	value
<input type="checkbox"/>	2022-11-15,11:34:09	2022-11-15,11:34:09	{ "rev": "1-02f98c9d7998da6b1da98...
<input type="checkbox"/>	2022-11-15,11:34:31	2022-11-15,11:34:31	{ "rev": "1-41707cb9fb37a2e5b2f41...
<input type="checkbox"/>	2022-11-15,11:34:58	2022-11-15,11:34:58	{ "rev": "1-e5d57bb29a73be38c19b...
<input type="checkbox"/>	2022-11-15,11:40:01	2022-11-15,11:40:01	{ "rev": "1-12f6d8bde0077b998f1e...
<input type="checkbox"/>	2022-11-15,11:40:11	2022-11-15,11:40:11	{ "rev": "1-56240b201332c3b6307af...
<input type="checkbox"/>	2022-11-15,11:59:59	2022-11-15,11:59:59	{ "rev": "1-2bab47ea4bc017de2325f...
<input type="checkbox"/>	2022-11-15,12:01:20	2022-11-15,12:01:20	{ "rev": "1-2c11e06ac4f07f9e3f760a...
<input type="checkbox"/>	2022-11-15,12:01:53	2022-11-15,12:01:53	{ "rev": "1-63763c34982618bec274...
<input type="checkbox"/>	2022-11-15,12:02:40	2022-11-15,12:02:40	{ "rev": "1-34377030aeb7d241515cf...

Showing document 1 - 20. Documents per page: 20

https://932393aa-9f82-4144-9251-2c519fb30962-bluemix.cloudant.com/dashboard.html#database/booking/\_changes

Activities Google Chrome Nov 16 00:19

Inbox (2,525) - kov x Meet - zze-jtoh x IBM-Project-3238 x IBM Service Details - IE x Cloudant Dashbo x

932393aa-9f82-4144-9251-2c519fb30962-bluemix.cloudant.com/dashboard.html#database/booking/2022-11-15%2C11%3A34%3A09 Update

IBM git 1

booking > 2022-11-15,11:34:09 {} JSON

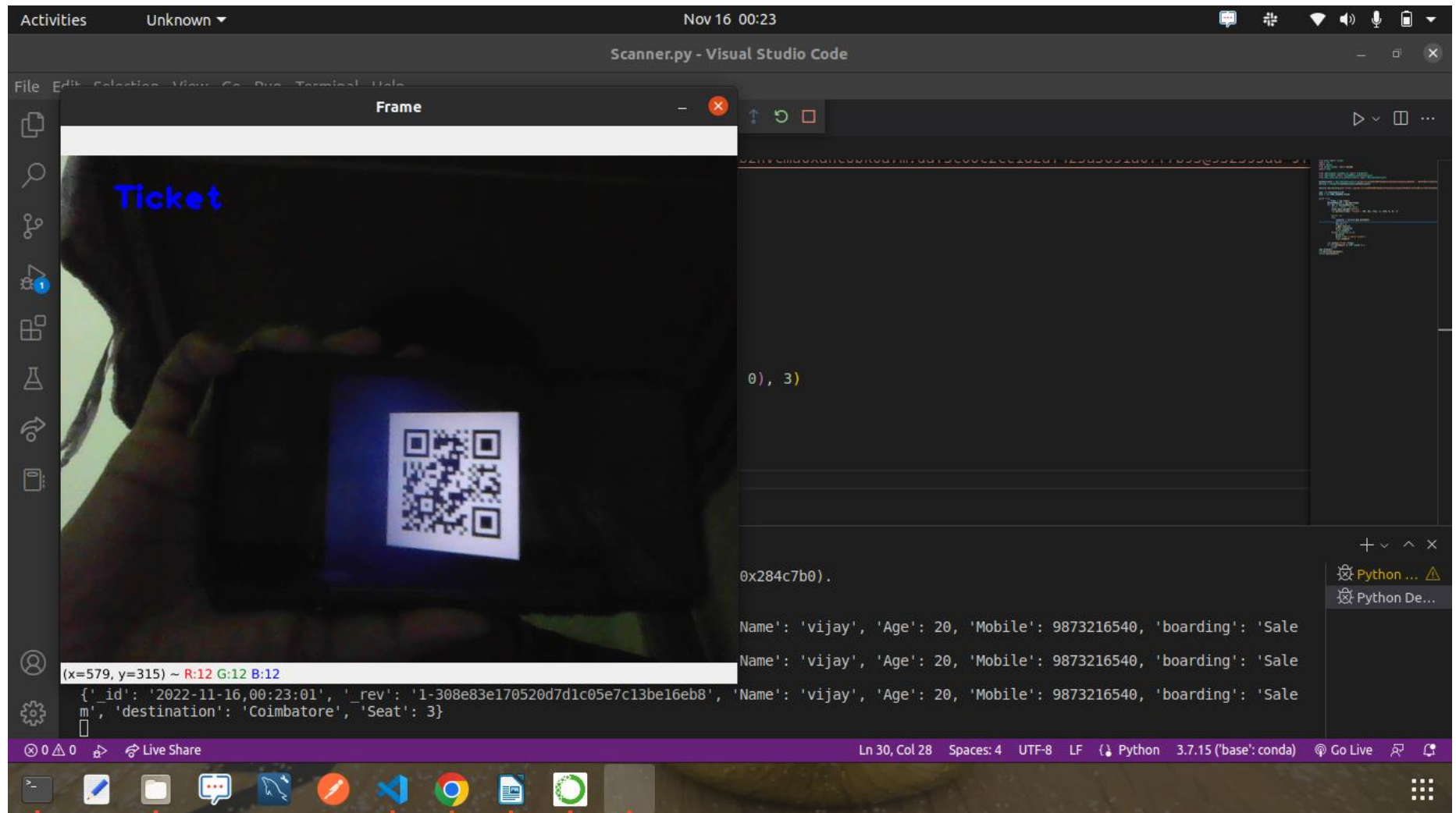
Save Changes Cancel Upload Attachment Clone Document Delete

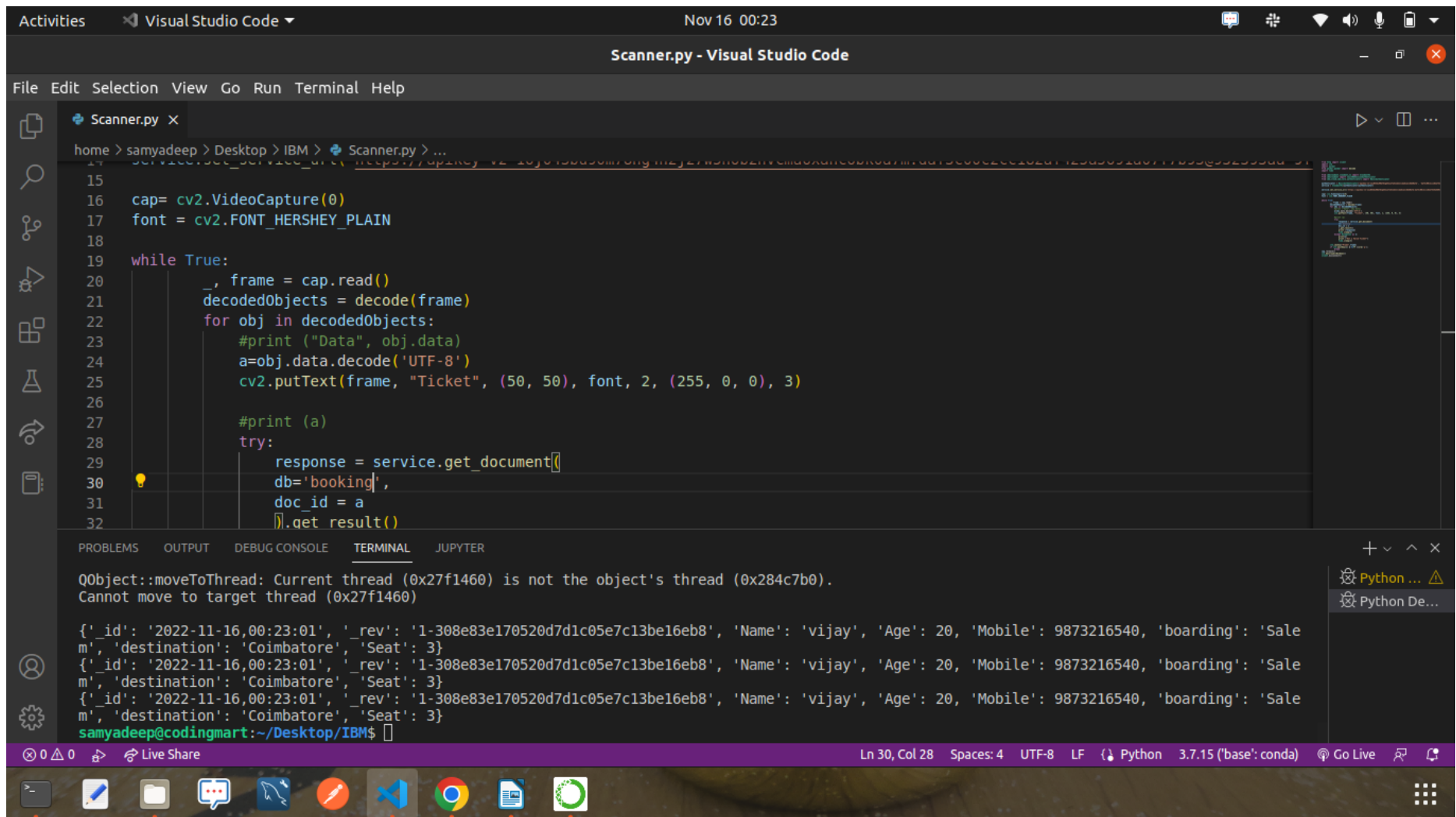
```
1
2 {"_id": "2022-11-15,11:34:09",
3   "_rev": "1-02f98c9d7998da6b1da98248ac1b4a1c",
4   "Name": "aswin1",
5   "Age": 12,
6   "Mobile": 1234567893,
7   "boarding": "Erode",
8   "destination": "Coimbatore",
9   "Seat": 1
10 }
```

Log Out

Stored successfully-test case passed

## Testing for QR code scanning





```
15
16 cap= cv2.VideoCapture(0)
17 font = cv2.FONT_HERSHEY_PLAIN
18
19 while True:
20     _, frame = cap.read()
21     decodedObjects = decode(frame)
22     for obj in decodedObjects:
23         #print ("Data", obj.data)
24         a=obj.data.decode('UTF-8')
25         cv2.putText(frame, "Ticket", (50, 50), font, 2, (255, 0, 0), 3)
26
27         #print (a)
28         try:
29             response = service.get_document(
30                 db='booking',
31                 doc_id = a
32             ).get result()
```

QOobject::moveToThread: Current thread (0x27f1460) is not the object's thread (0x284c7b0).  
Cannot move to target thread (0x27f1460)

```
{'_id': '2022-11-16,00:23:01', '_rev': '1-308e83e170520d7d1c05e7c13be16eb8', 'Name': 'vijay', 'Age': 20, 'Mobile': 9873216540, 'boarding': 'Sale m', 'destination': 'Coimbatore', 'Seat': 3}
{'_id': '2022-11-16,00:23:01', '_rev': '1-308e83e170520d7d1c05e7c13be16eb8', 'Name': 'vijay', 'Age': 20, 'Mobile': 9873216540, 'boarding': 'Sale m', 'destination': 'Coimbatore', 'Seat': 3}
{'_id': '2022-11-16,00:23:01', '_rev': '1-308e83e170520d7d1c05e7c13be16eb8', 'Name': 'vijay', 'Age': 20, 'Mobile': 9873216540, 'boarding': 'Sale m', 'destination': 'Coimbatore', 'Seat': 3}
samyadeep@codingmart:~/Desktop/IBM$
```

Ln 30, Col 28 Spaces: 4 UTF-8 LF Python 3.7.15 ('base': conda) Go Live

Got the details successfully-test case passed

## Testing for no seat available after filling all the seats

Activities Google Chrome Nov 16 00:26

(no subject) x Node-RED x Meet - z x IBM x IBM-Projec x Node-RED x Node-RED x Node-RED x +

node-red-dnzfs-2022-11-09.eu-gb.mybluemix.net/ui/#!/0?socketid=JcW0bA497GWypXurAAAV

IBM git 1

Form

Boarding Station Salem

Destination Station Coimbatore

Seat **No Seats Available**

Details

Name \*

Age \*

Mobile.No \*

SUBMIT CANCEL

QR Code

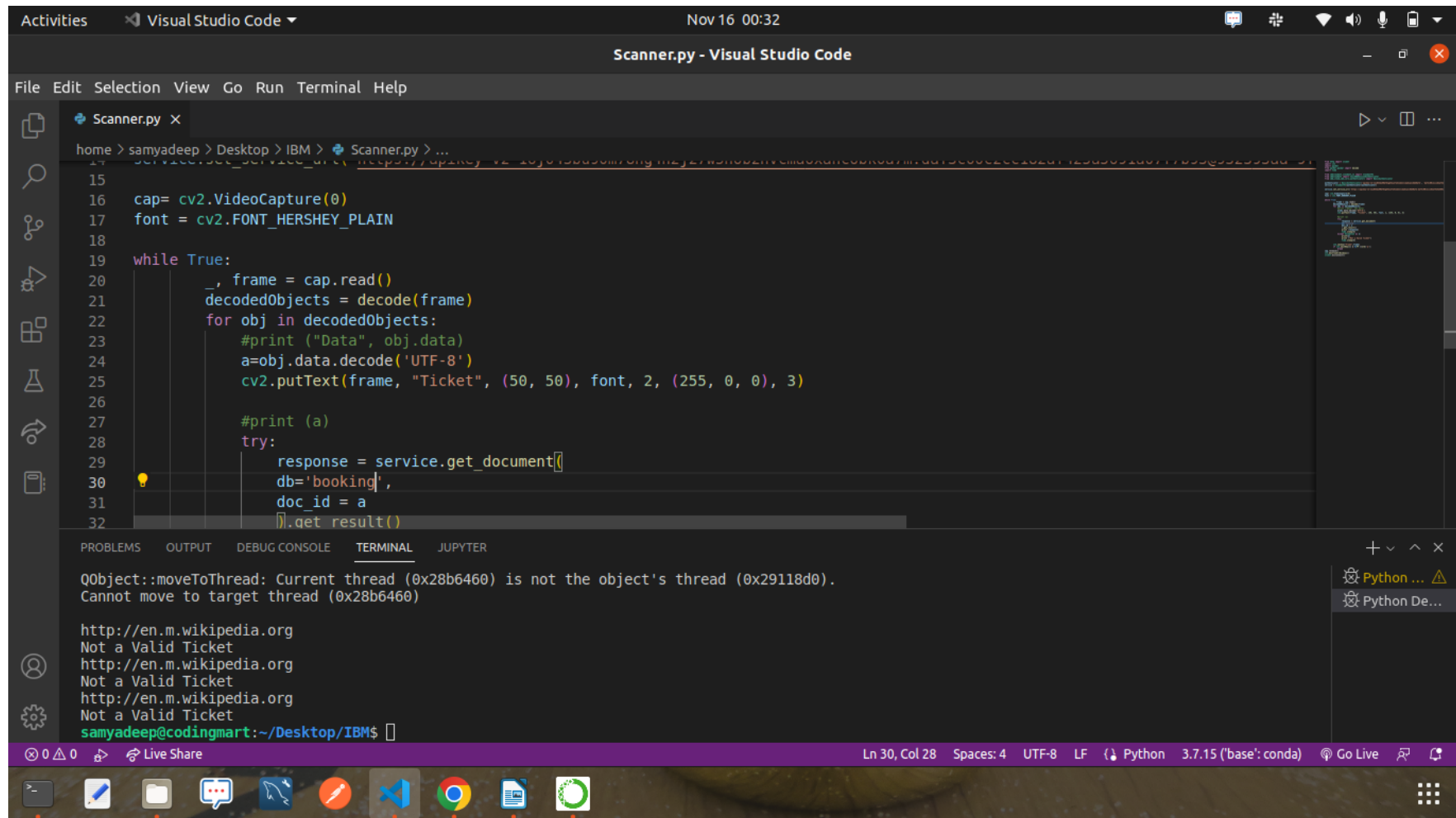
Got it successfully-test case passed



The screenshot shows a web browser window with multiple tabs. The active tab is titled "node-red-dnzfs-2022-11-09.eu-gb.mybluemix.net/ui/#!/0?socketid=JcW0bA497GWypXurAAAV". The browser's address bar shows the URL. The page content is a ticket booking form. At the top, there is a blue header with the word "Form". Below this, there are two dropdown menus: "Destination Station" with "Coimbatore" selected, and "Seat" with "Select option" selected. Below these, there is a section titled "Details" in blue. This section contains three input fields: "Name \*", "Age \*", and "Mobile.No \*". Below the input fields, there are two blue buttons: "SUBMIT" and "CANCEL". A modal dialog box is displayed in the center of the screen, with the text "Ticket Cannot be Booked" and an "OK" button. At the bottom of the screen, there is a taskbar with various application icons, including a terminal, a notepad, a web browser, and a file explorer.

**Got it successfully-test case passed**

## Testing for not a ticket



The screenshot shows the Visual Studio Code interface with a file named `Scanner.py` open. The code is a Python script that uses OpenCV to capture video frames and decode them. It then checks if the decoded data contains the word "Ticket". If it does, it prints the data. If it doesn't, it prints "Not a Valid Ticket". The script is running in a terminal window, and the output shows that the test case passed successfully.

```
15
16 cap = cv2.VideoCapture(0)
17 font = cv2.FONT_HERSHEY_PLAIN
18
19 while True:
20     _, frame = cap.read()
21     decodedObjects = decode(frame)
22     for obj in decodedObjects:
23         #print ("Data", obj.data)
24         a=obj.data.decode('UTF-8')
25         cv2.putText(frame, "Ticket", (50, 50), font, 2, (255, 0, 0), 3)
26
27         #print (a)
28         try:
29             response = service.get_document(
30                 db='booking',
31                 doc_id = a
32             ).get result()
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER

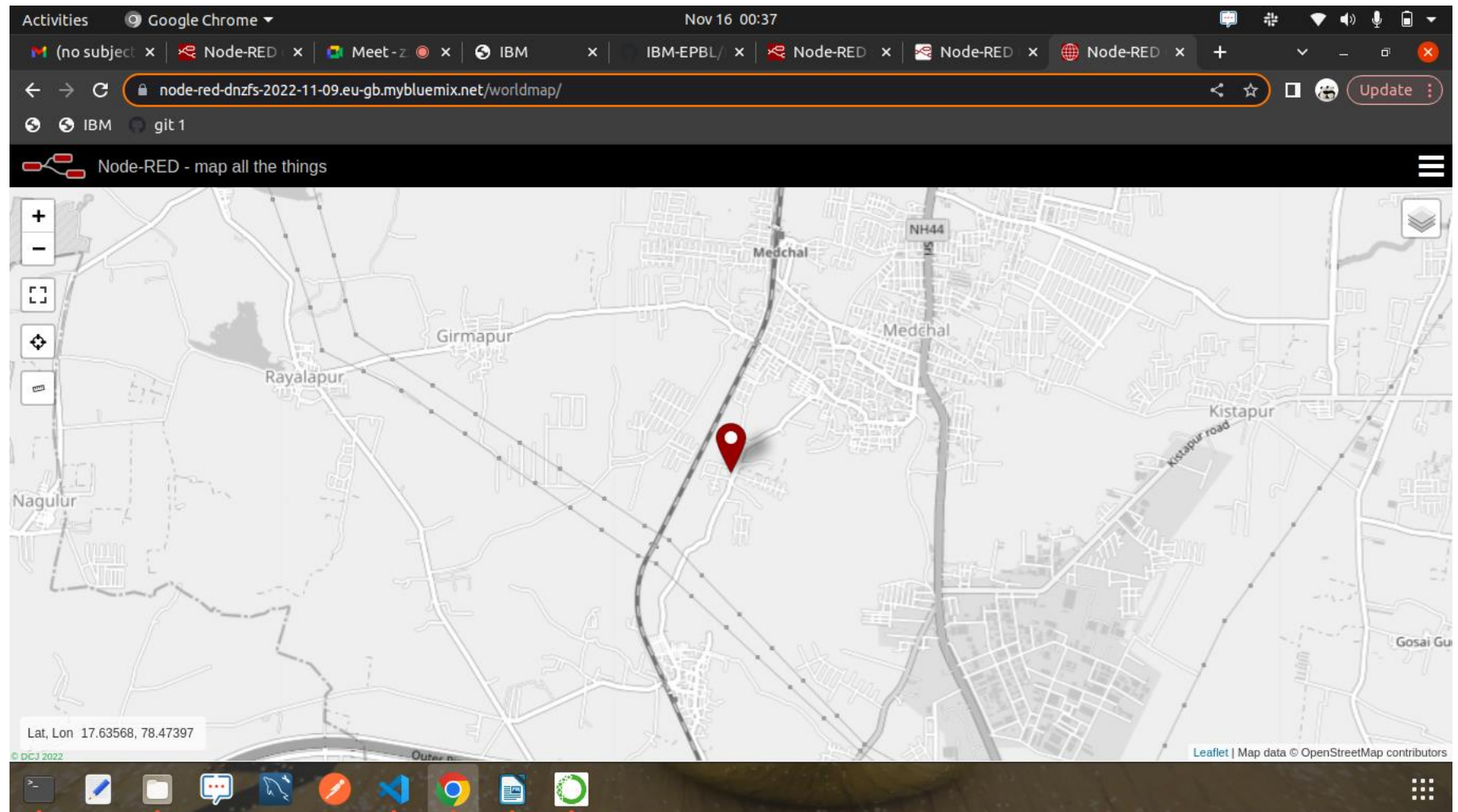
QObject::moveToThread: Current thread (0x28b6460) is not the object's thread (0x29118d0).  
Cannot move to target thread (0x28b6460)

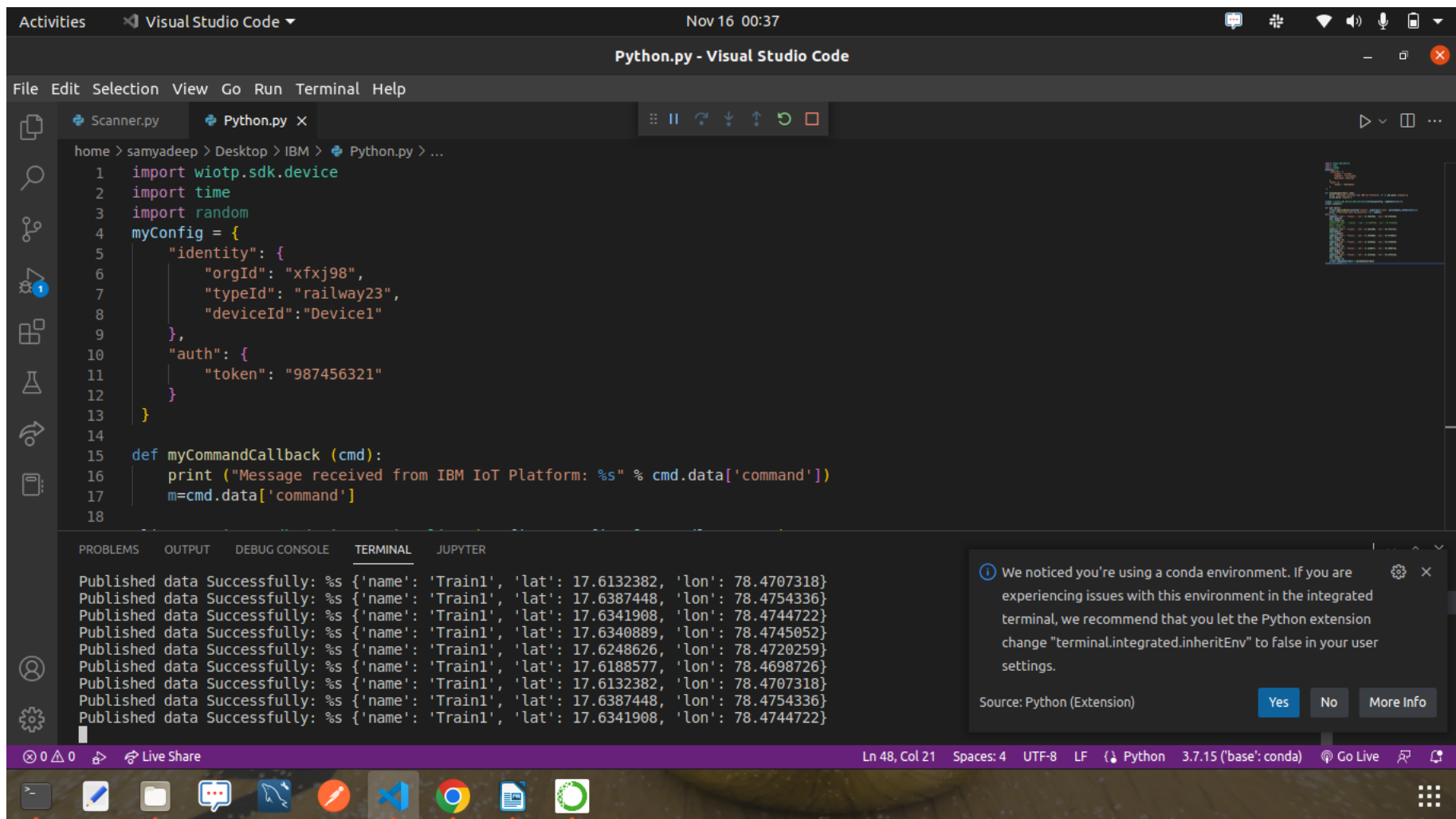
http://en.m.wikipedia.org  
Not a Valid Ticket  
http://en.m.wikipedia.org  
Not a Valid Ticket  
http://en.m.wikipedia.org  
Not a Valid Ticket  
samyadeep@codingmart: ~/Desktop/IBM\$

Ln 30, Col 28 Spaces: 4 UTF-8 LF Python 3.7.15 ('base': conda) Go Live

Got it successfully-test case passed

## Testing for location tracking





Location tracked successfully-test case passed