Instruction for steps the environment setup and bring up the application.

Preparation of the environment

- Log in to the Lab Machine with IP address **193.61.28.13** through RDP session and go to C:\FinalProduct path (We faced an issue even though we bought up the application successfully in Codio workspace. Details are included in Mitigating circumstances report)
- Open the command line and cd to the path "C:\FinalProduct"
- Run the following command.
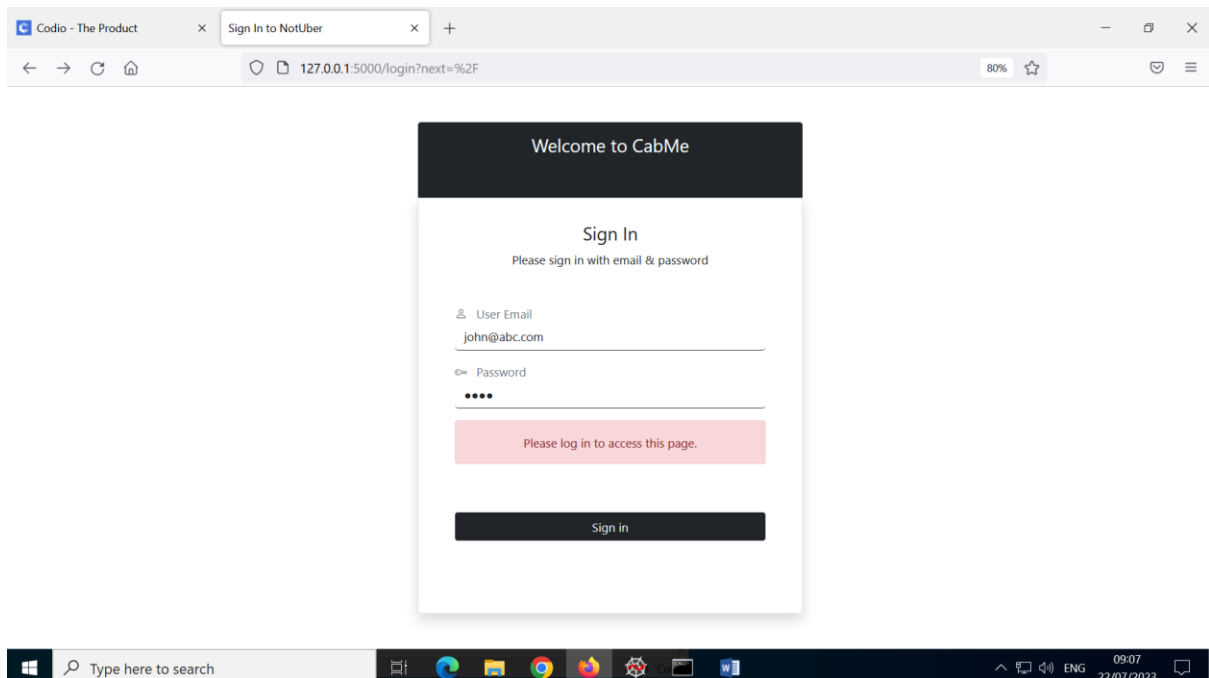 - .venv\Scripts\activate.bat

To bring up the application,

- Bring up the application with the following command,
  - python -m flask run
- Access the application by typing the URL http://localhost/5000 and this will bring you to the log In page.
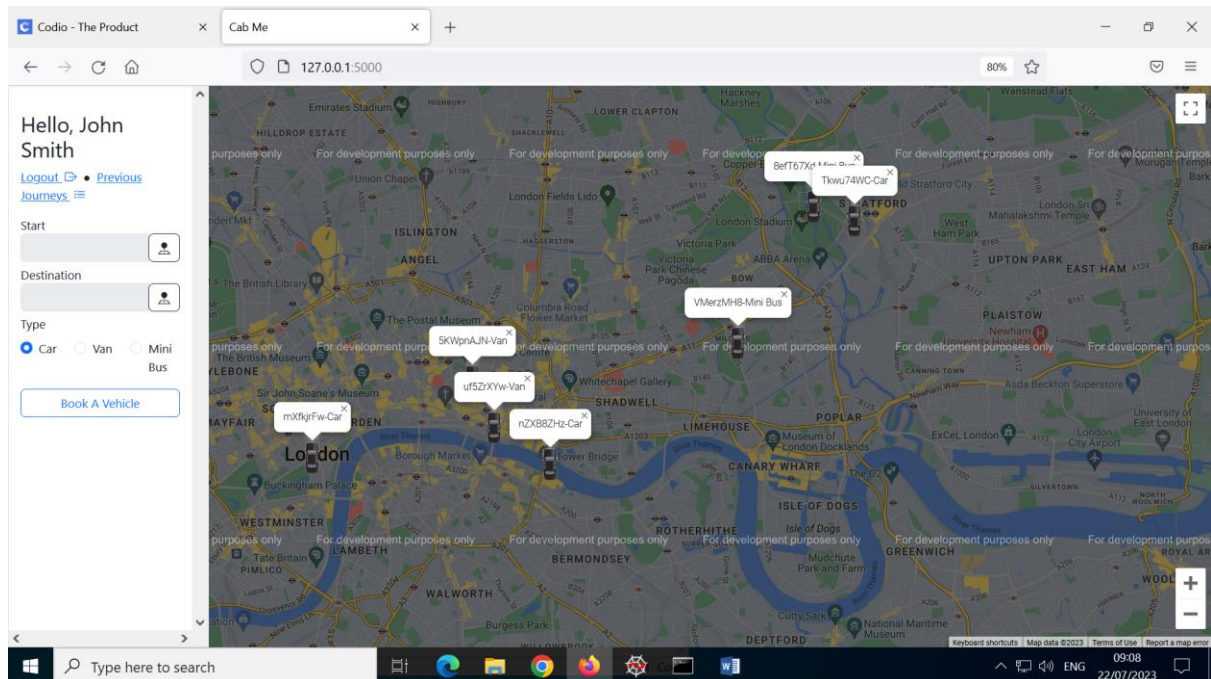
Login as a rider:

- username – john@abc.com
- password – 1234

Login Form:

Login Landing Page: showing available taxis
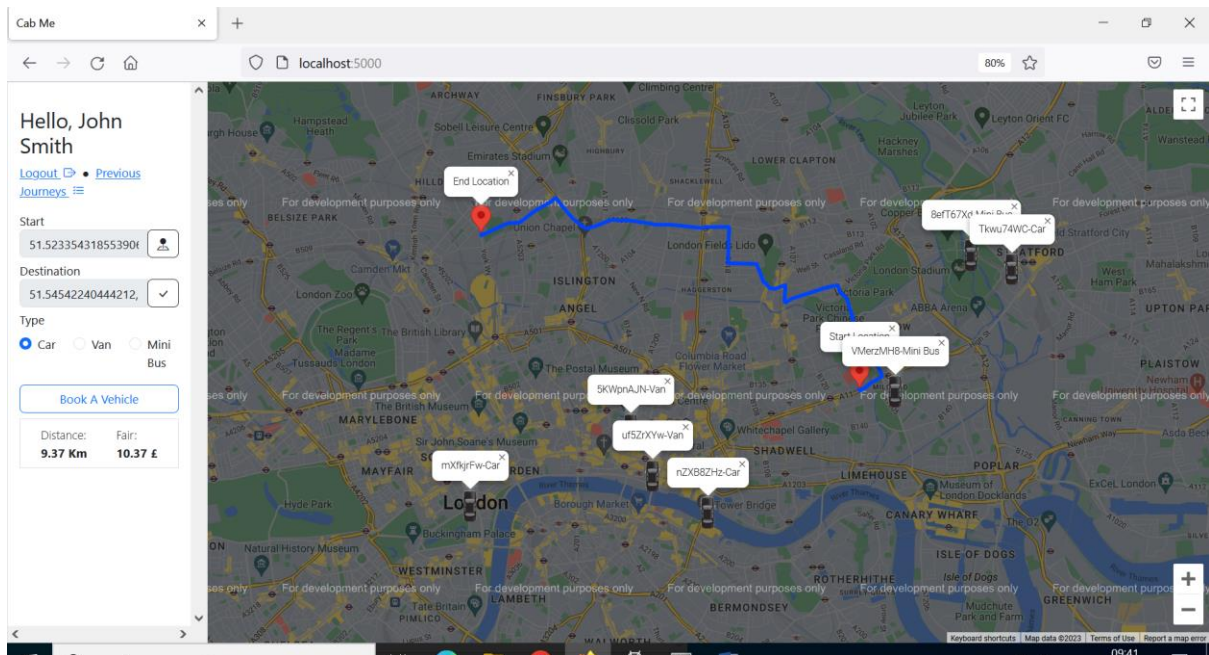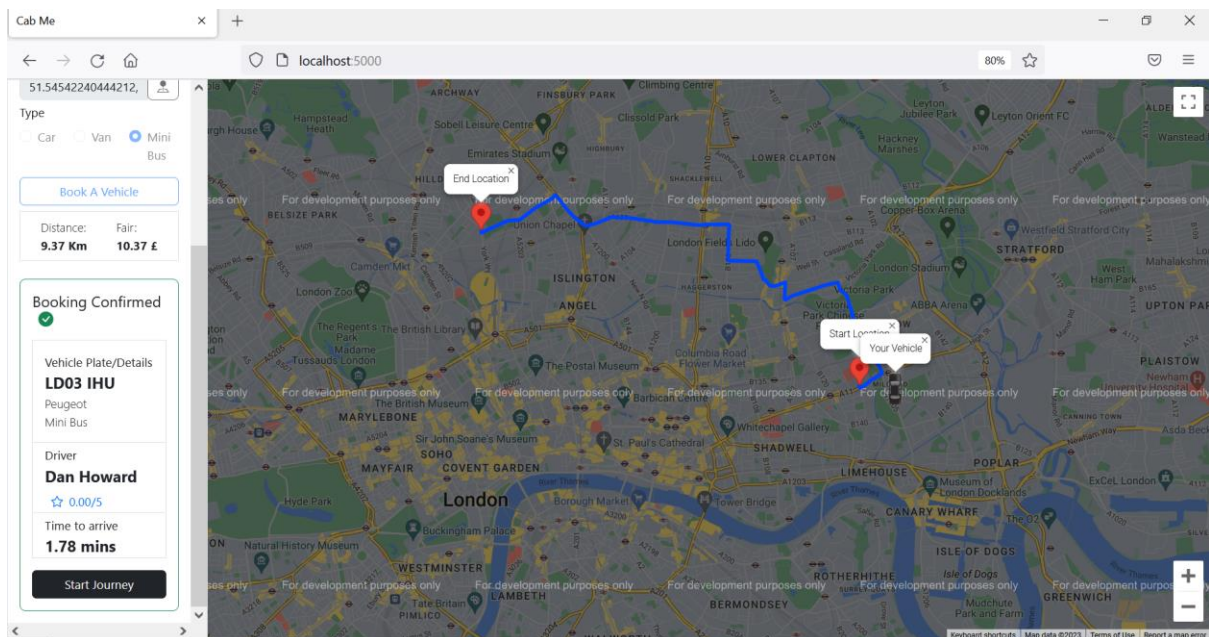
Booking a Cab: Select start and end locations. Charges depend on the vehicle type.
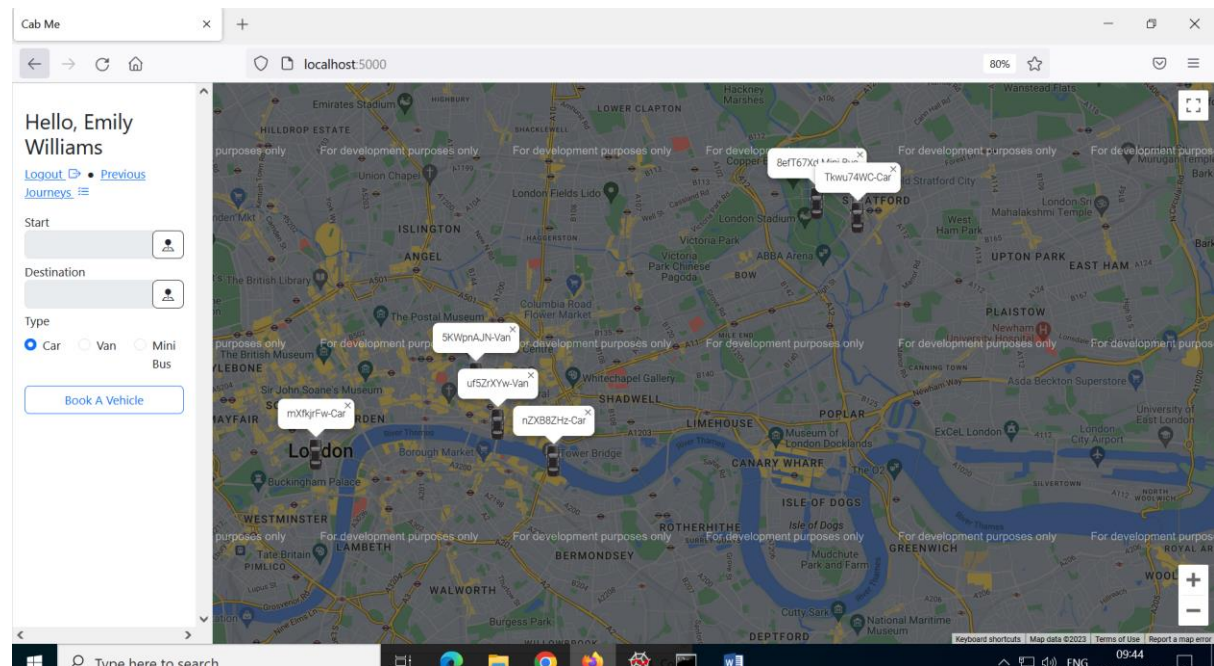

Booking Confirmation

The already booked, will having active booking status, and will not be available for the next riders who is logged to the system.
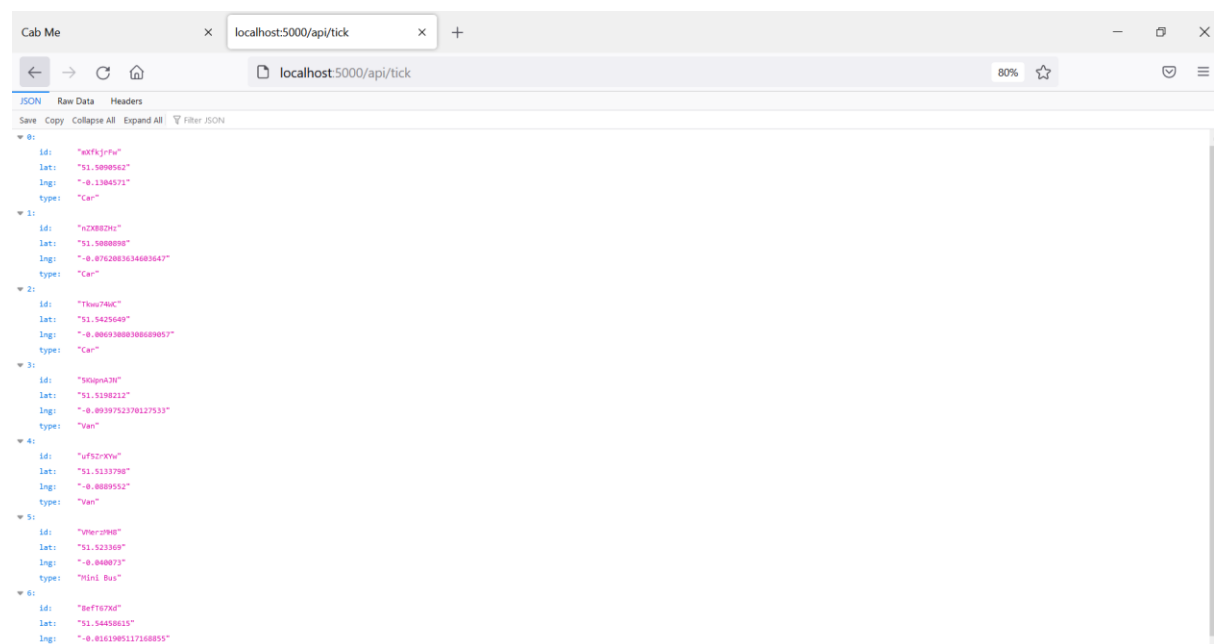
Log in as

Username - emily@xyz.com

Password – 1234

When Emily Williams logs in, the already booked cab is no longer visible to Emily.
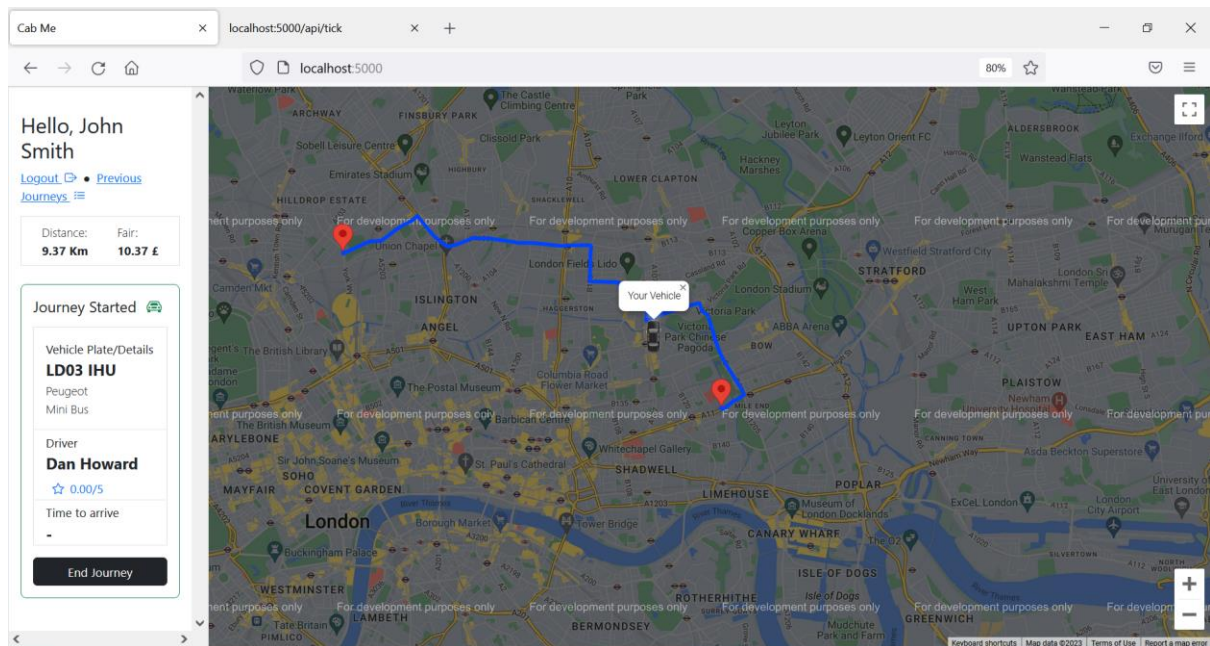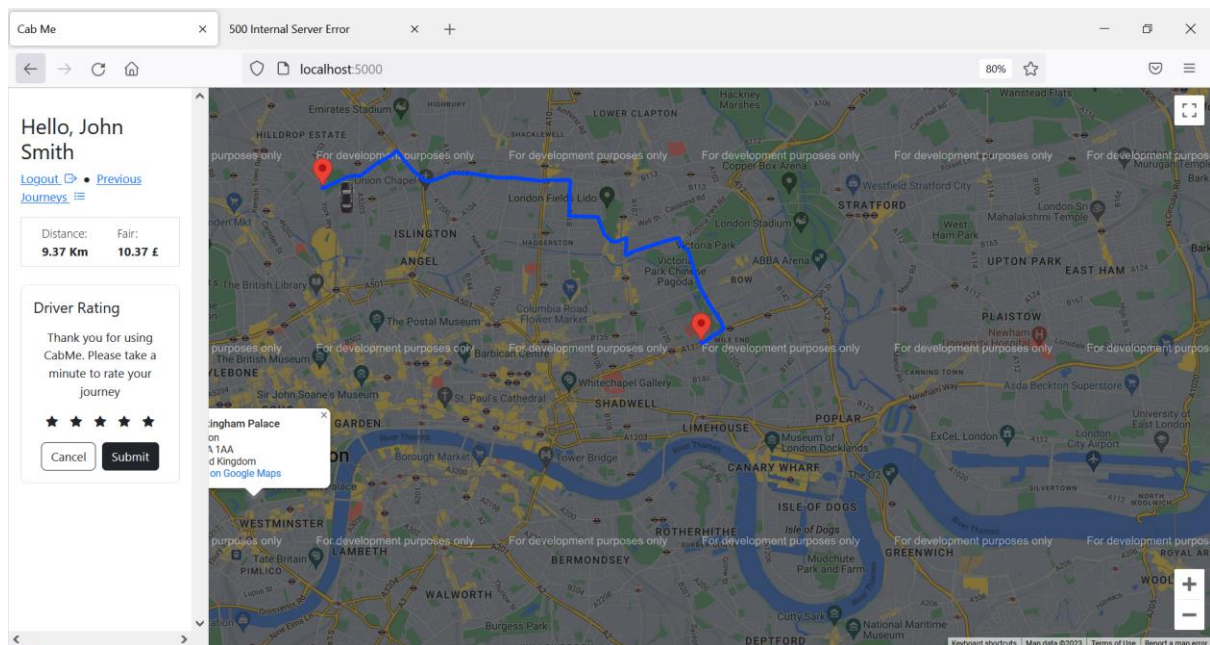

Progress of the journey http://localhost:5000/api/tick

Vehicle has moved along the ride path

(To automate this or for live tracking API tick should handle for one particular position.)

Destination arrival. End journey, Rate Journey

Preview previous journey

Driver Rating: The average of all the ratings will display

Upon successful login as a driver, the summary of previous trips displays on screen.

To view driver logIn:

Username - riley@xyz.com

Password – 1234

<u>Driver Profile</u>

Demonstrating new ride info adding to the drivers view, booking a specific car.

To do this logout from the driver's logIn and re logIn using above rider's logIn and do the booking, end the booking, and rate the journey as follows.

Username: john@abc.com
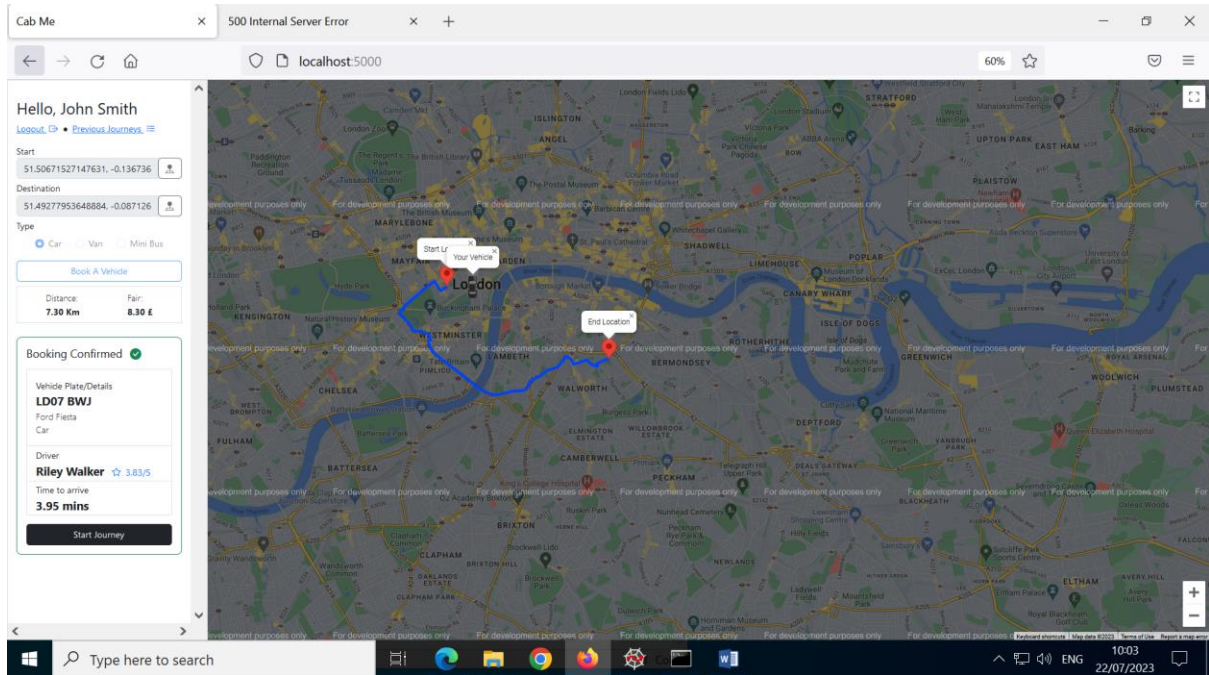
Password: 1234

End the journey and submit rating

Log out from the user's logIn and re logIn as a driver(username - riley@xyz.com and password 1234), and from the driver view, top record is the last rider's info

LogIn as Admin

UserName - admin@abc.com
Password - 1234

View Driver details who registered with the application

Admin Dashboard – Completed Transactions

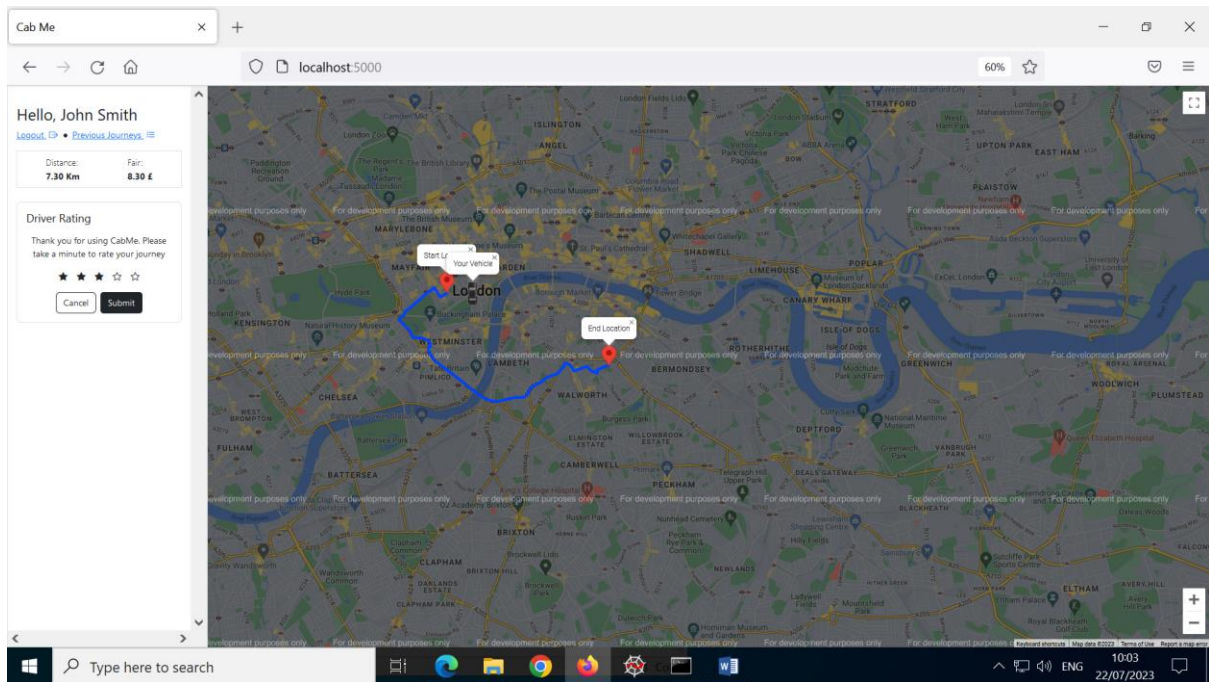| Vehicle Id	Vehicle Plate	Driver Name	Start Date/Time (UTC)	End Date/Time (UTC)	Rating	Fair
mXfkjrFw	LD07 BWJ	Riley Walker	Sat, 22 Jul 2023 08:03:24 GMT	Sat, 22 Jul 2023 08:03:41 GMT	3 / 5	8.3
VMerzMH8	LD03 IHU	Dan Howard	Sat, 22 Jul 2023 08:01:44 GMT	Sat, 22 Jul 2023 08:01:46 GMT	4 / 5	2.082
VMerzMH8	LD03 IHU	Dan Howard	Sat, 22 Jul 2023 07:46:05 GMT	Sat, 22 Jul 2023 07:53:23 GMT	5 / 5	10.374
mXfkjrFw	LD07 BWJ	Riley Walker	Sun, 16 Jul 2023 12:38:18 GMT	Sun, 16 Jul 2023 12:38:23 GMT	4 / 5	17.403
mXfkjrFw	LD07 BWJ	Riley Walker	Sun, 16 Jul 2023 08:08:16 GMT	Sun, 16 Jul 2023 08:08:21 GMT	5 / 5	12.628
mXfkjrFw	LD07 BWJ	Riley Walker	Sat, 15 Jul 2023 18:27:52 GMT	Sat, 15 Jul 2023 18:27:58 GMT	4 / 5	10.469
mXfkjrFw	LD07 BWJ	Riley Walker	Sat, 15 Jul 2023 17:16:50 GMT	Sat, 15 Jul 2023 17:16:56 GMT	3 / 5	12.114
ufSZrXYw	LB02 AOH	Jorge Scott	Sat, 15 Jul 2023 16:15:18 GMT	Sat, 15 Jul 2023 16:15:20 GMT	3 / 5	7.439
mXfkjrFw	LD07 BWJ	Riley Walker	Sat, 15 Jul 2023 16:14:39 GMT	Sat, 15 Jul 2023 16:14:42 GMT	3 / 5	13.306
mXfkjrFw	LD07 BWJ	Riley Walker	Sat, 15 Jul 2023 16:09:48 GMT	Sat, 15 Jul 2023 16:09:52 GMT	4 / 5	10.986
5KWpnAJN	LC07 UMA	Ivan Cooper	Sat, 15 Jul 2023 16:08:34 GMT	Sat, 15 Jul 2023 16:08:41 GMT	5 / 5	11.413
nZX88ZHz	LD03 RYO	Jorge Nelson	Sat, 15 Jul 2023 16:03:01 GMT	Sat, 15 Jul 2023 16:05:07 GMT	5 / 5	0

Total Fair : 116.51 £   Average Fair : 9.71 £   Average Rating : 4.00 / 5   Journey Count : 12

Search option for the manager under any driver's name

Vehicle Id	Vehicle Plate	Driver Name	Start Date/Time (UTC)	End Date/Time (UTC)	Rating	Fair
mXfkjrFw	LD07 BWJ	Riley Walker	Sat, 22 Jul 2023 08:03:24 GMT	Sat, 22 Jul 2023 08:03:41 GMT	3 / 5	8.3
mXfkjrFw	LD07 BWJ	Riley Walker	Sun, 16 Jul 2023 12:38:18 GMT	Sun, 16 Jul 2023 12:38:23 GMT	4 / 5	17.403
mXfkjrFw	LD07 BWJ	Riley Walker	Sun, 16 Jul 2023 08:08:16 GMT	Sun, 16 Jul 2023 08:08:21 GMT	5 / 5	12.628
mXfkjrFw	LD07 BWJ	Riley Walker	Sat, 15 Jul 2023 18:27:52 GMT	Sat, 15 Jul 2023 18:27:58 GMT	4 / 5	10.469
mXfkjrFw	LD07 BWJ	Riley Walker	Sat, 15 Jul 2023 17:16:50 GMT	Sat, 15 Jul 2023 17:16:56 GMT	3 / 5	12.114
mXfkjrFw	LD07 BWJ	Riley Walker	Sat, 15 Jul 2023 16:14:39 GMT	Sat, 15 Jul 2023 16:14:42 GMT	3 / 5	13.306
mXfkjrFw	LD07 BWJ	Riley Walker	Sat, 15 Jul 2023 16:09:48 GMT	Sat, 15 Jul 2023 16:09:52 GMT	4 / 5	10.986

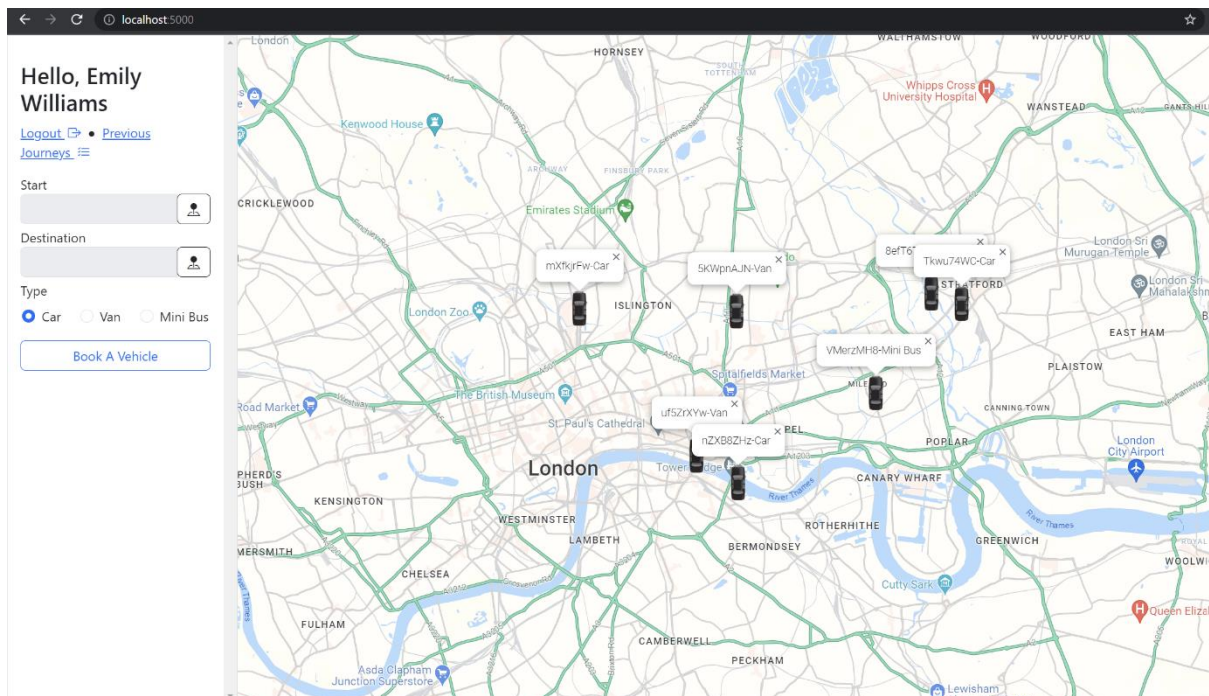Total Fair : 85.21 £   Average Fair : 12.17 £   Average Rating : 3.71 / 5   Journey Count : 7

Calling API – Continue with Manager LogIn

Result for endpoint '/api/status'

Vehicle Locations Before Calling 'api/reset'

Vehicle Locations After Calling '/api/reset'

Results of '/api/reset'

```json
[
  {
    "id": "mXfkjrFw",
    "lat": "51.5090562",
    "lng": "-0.1304571",
    "type": "Car"
  },
  {
    "id": "nZXB8ZHz",
    "lat": "51.5080898",
    "lng": "-0.0762083634603647",
    "type": "Car"
  },
  {
    "id": "Tkwu74WC",
    "lat": "51.5425649",
    "lng": "-0.00693080308689057",
    "type": "Car"
  },
  {
    "id": "5KWpnAJN",
    "lat": "51.5198212",
    "lng": "-0.0939752370127533",
    "type": "Van"
  },
  {
    "id": "uf5ZrXYw",
    "lat": "51.5133798",
    "lng": "-0.0889552",
    "type": "Van"
  },
  {
    "id": "VMerzMH8",
    "lat": "51.5253378",
    "lng": "-0.033435",
    "type": "Mini Bus"
  },
  {
    "id": "8efT67Xd",
    "lat": "51.54458615",
    "lng": "-0.0161905117168855",
    "type": "Mini Bus"
  }
```