

## 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

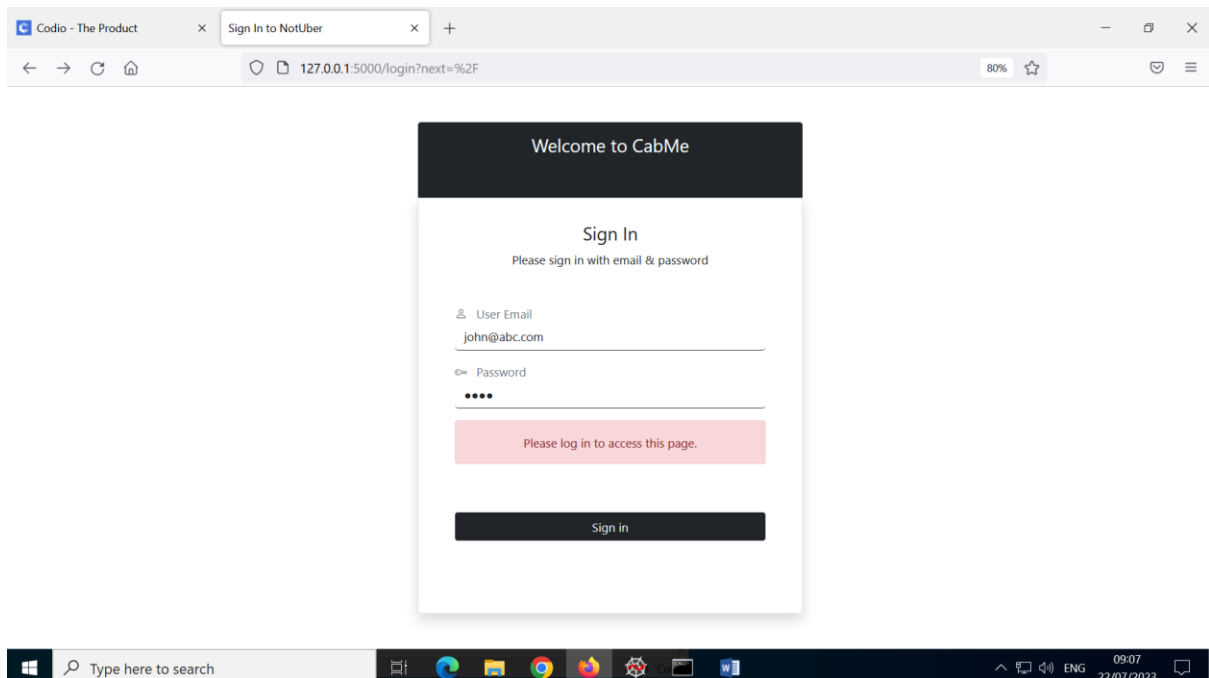
To bring up the application,

- 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:

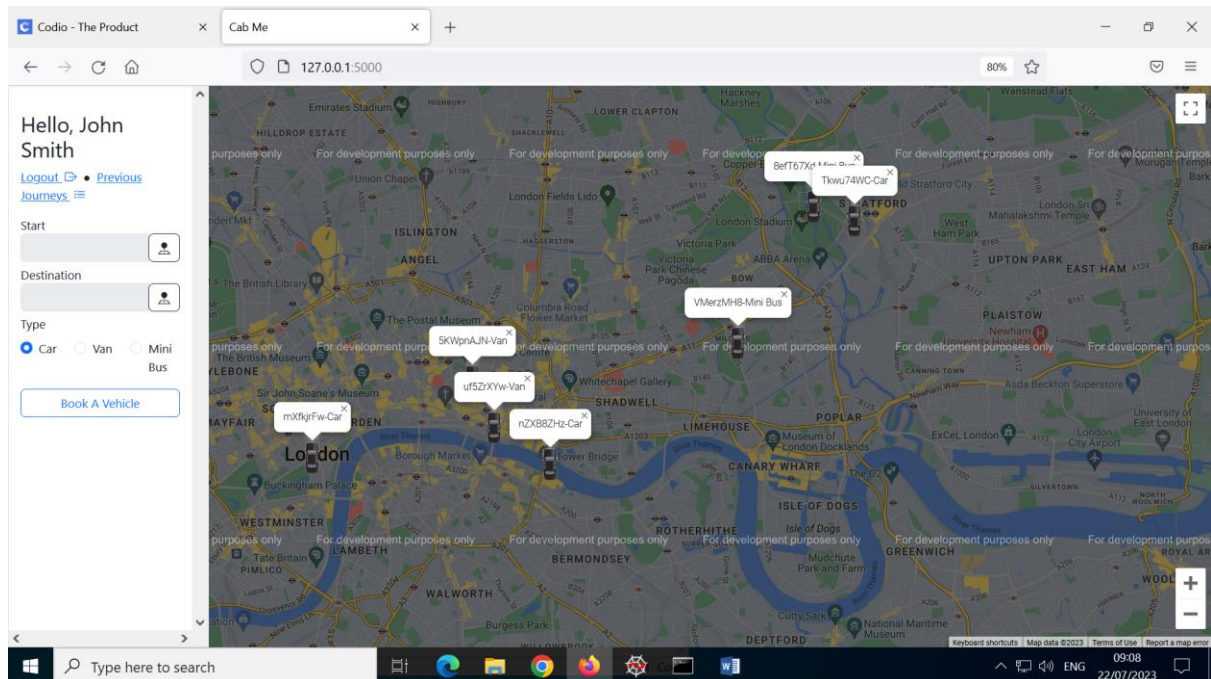
- username - john@abc.com
- password - 1234

### Login Form:

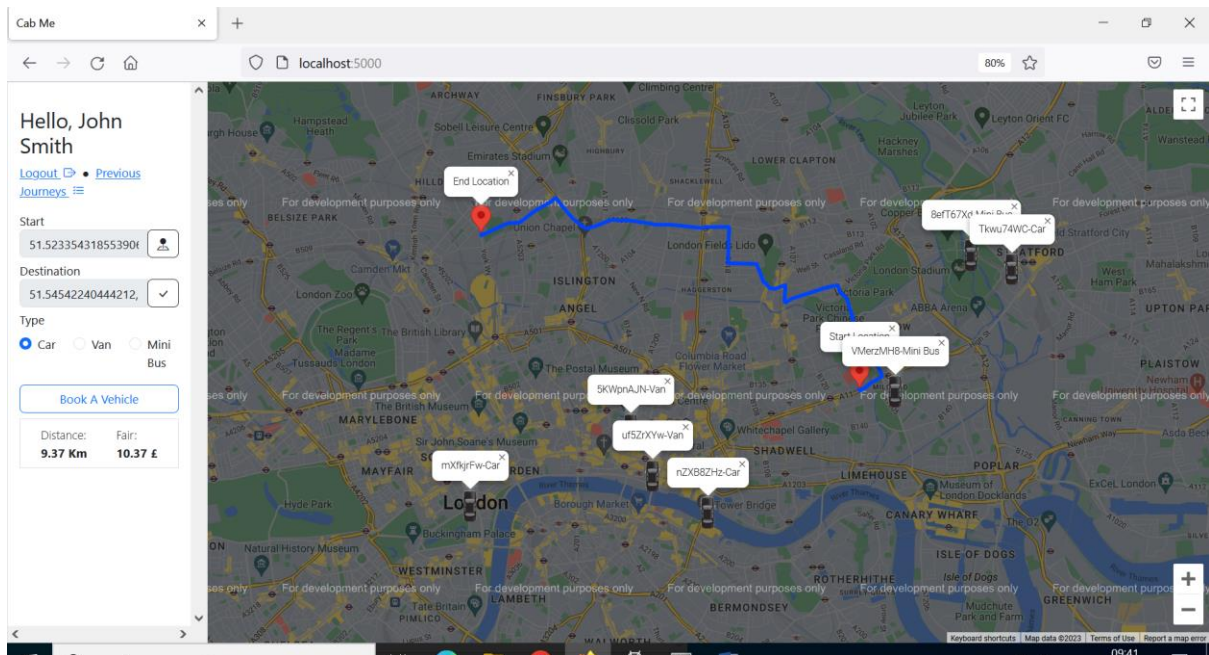


The screenshot shows a web browser window with the title 'Sign In to NotUber'. The address bar displays '127.0.0.1:5000/login?next=%2F'. The main content area features a 'Welcome to CabMe' header, a 'Sign In' title, and a prompt 'Please sign in with email & password'. Below this are two input fields: 'User Email' with the value 'john@abc.com' and 'Password' with masked characters '....'. A red error message states 'Please log in to access this page.' At the bottom is a 'Sign in' button. The Windows taskbar at the bottom shows the search bar, task view, and several application icons, with the system clock indicating 09:07 on 22/07/2023.

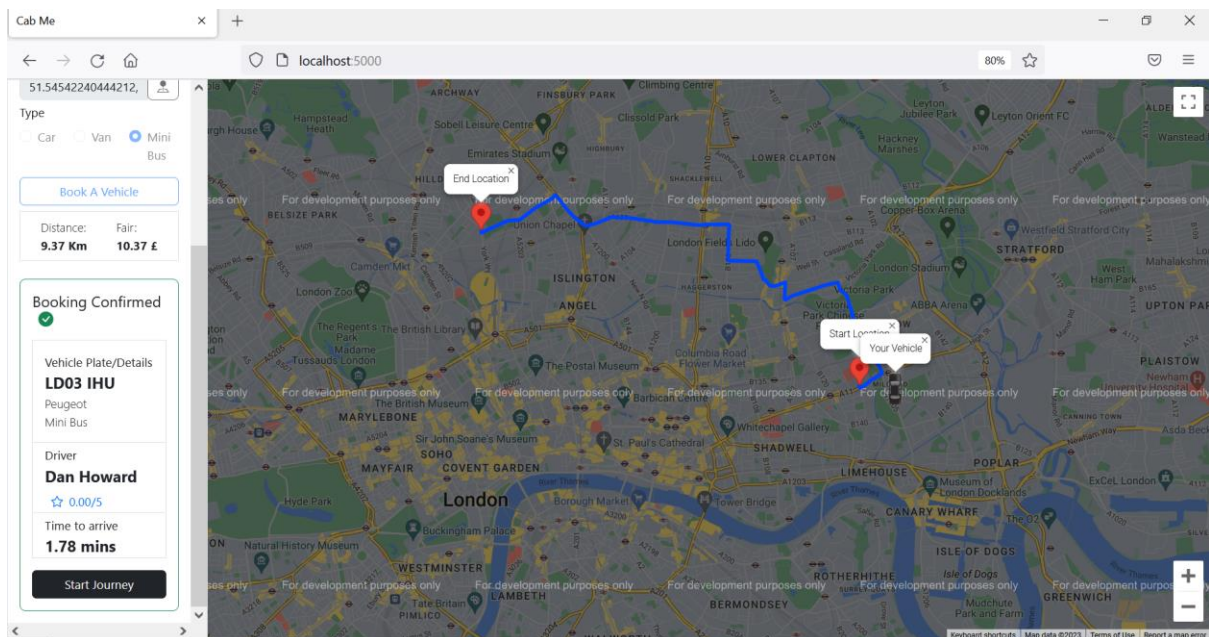
## Login Landing Page: showing available taxis



Booking a Cab: Select start and end locations. Charges depend on the vehicle type.



Booking Confirmation



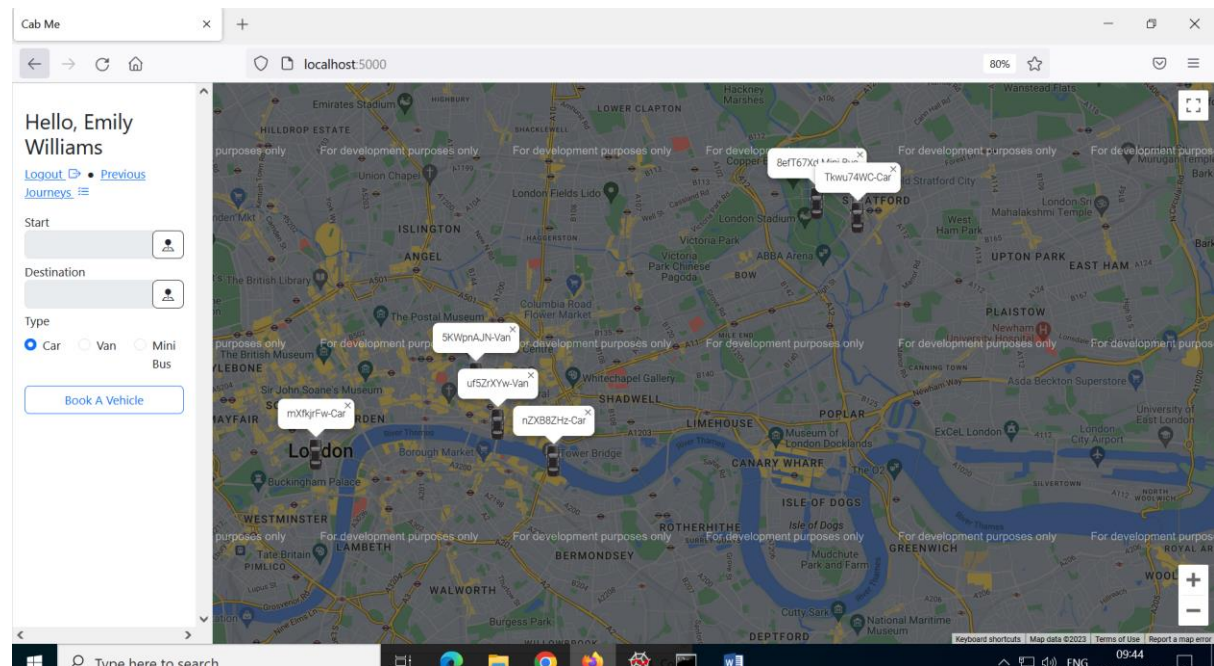
The already booked, will having active booking status, and will not be available for the next riders who is logged to the system.

Log in as

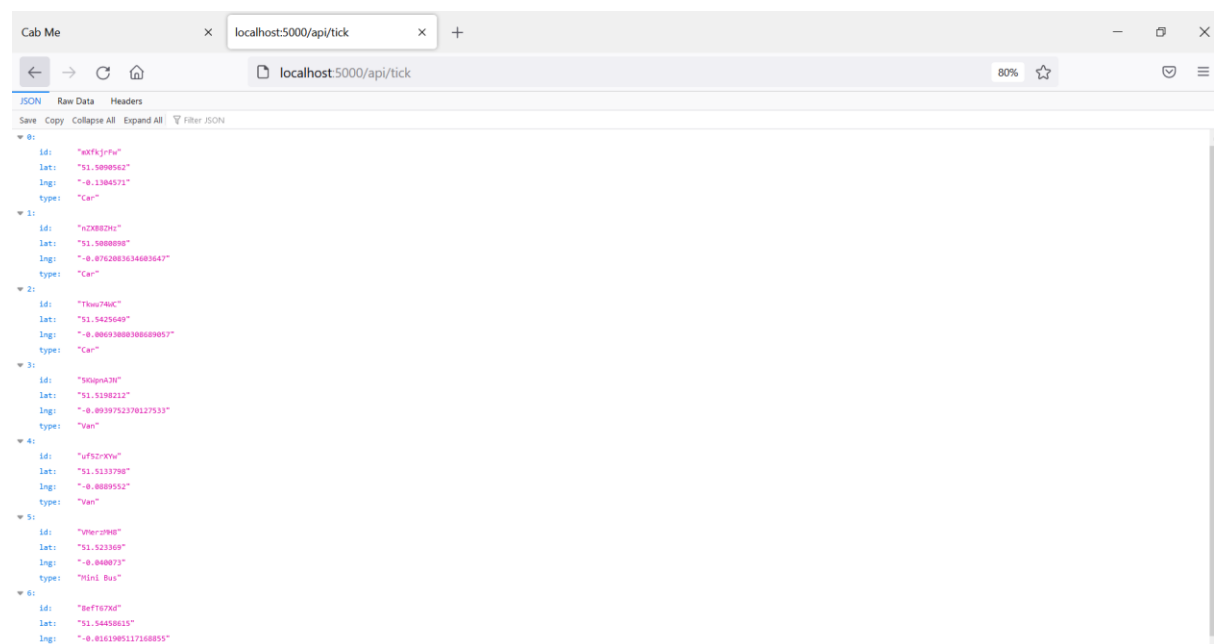
Username - emily@xyz.com

Password - 1234

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

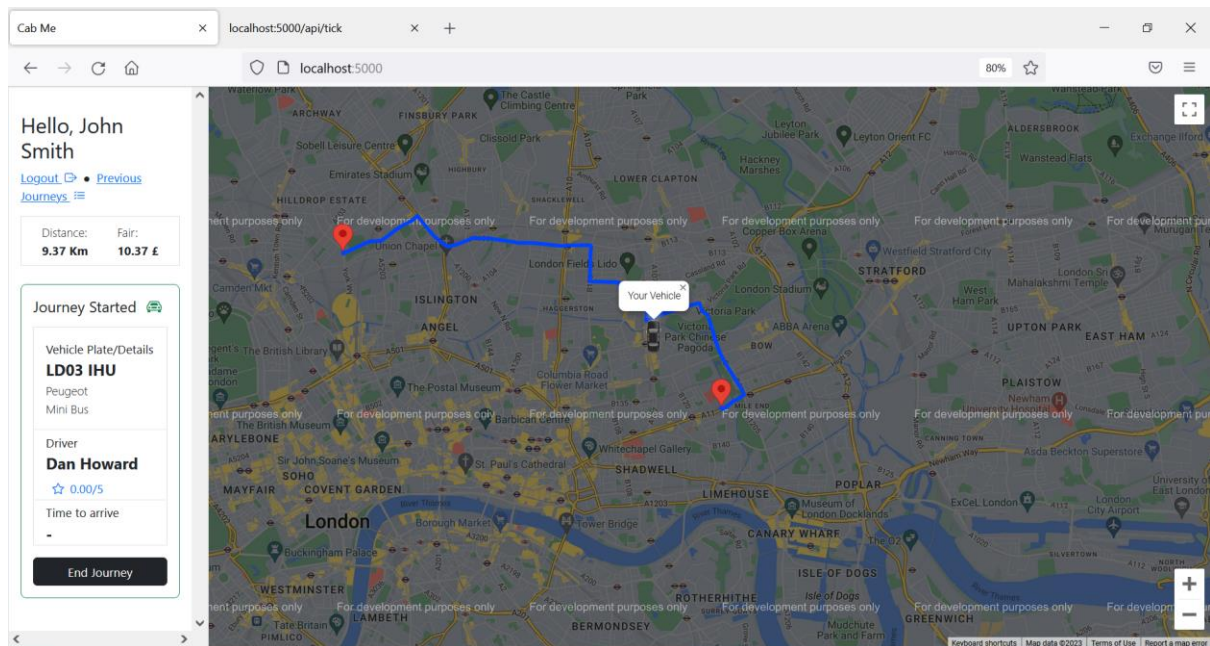


Progress of the journey <http://localhost:5000/api/tick>



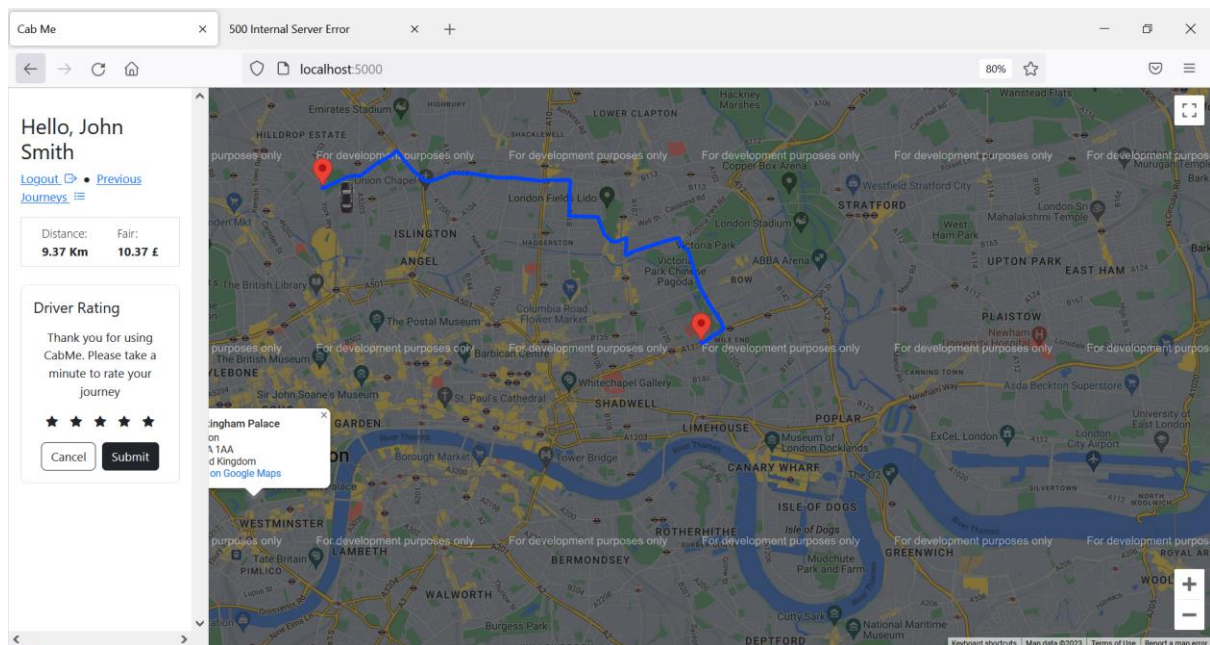


Vehicle has moved along the ride path



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

Destination arrival. End journey, Rate Journey



## Preview previous journey

The screenshot shows the Cab Me app interface. A modal titled 'Previous Journeys' is displayed over a map background. The modal contains a table with 10 rows of journey data. The table has columns for Id, Type, Plate, Driver, Start, End, and Rating. The background shows a map of London with various landmarks and a sidebar with user information and booking options.

Id	Type	Plate	Driver	Start	End	Rating
1	Car	LD03 RYO	Jorge Nelson	2023-07-15 17:03:01	2023-07-15 17:05:07	1
2	Van	LC07 UMA	Ivan Cooper	2023-07-15 17:08:34	2023-07-15 17:08:41	1
3	Car	LD07 BWJ	Riley Walker	2023-07-15 17:09:48	2023-07-15 17:09:52	0.8
4	Car	LD07 BWJ	Riley Walker	2023-07-15 17:14:39	2023-07-15 17:14:42	0.6
5	Van	LB02 AOH	Jorge Scott	2023-07-15 17:15:18	2023-07-15 17:15:20	0.6
6	Car	LD07 BWJ	Riley Walker	2023-07-15 18:16:50	2023-07-15 18:16:56	0.6
7	Car	LD07 BWJ	Riley Walker	2023-07-15 19:27:52	2023-07-15 19:27:58	0.8
9	Car	LD07 BWJ	Riley Walker	2023-07-16 13:38:18	2023-07-16 13:38:23	0.8
10	Mini Bus	LD03 IHU	Dan Howard	2023-07-22 08:46:05	2023-07-22 08:53:23	1

## Driver Rating: The average of all the ratings will display

The screenshot shows the Cab Me app interface during a booking confirmation. The left sidebar displays the user's phone number, vehicle type (Mini Bus), and booking details. The main area shows a map of London with a red pin indicating the 'End Location' and a blue pin indicating 'Your Vehicle'. The booking confirmation text is displayed in a green box.

51.555045433279861

Type

☐ Car ☐ Van ☒ Mini Bus

[Book A Vehicle](#)

Distance: 1.74 Km Fair: 2.08 £

**Booking Confirmed**

Vehicle Plate/Details  
**LD03 IHU**  
Peugeot  
Mini Bus

Driver  
**Dan Howard**  
★ 5.00/5

Time to arrive  
**3.73 mins**

[Start Journey](#)

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

To view driver login:

Username - riley@xyz.com

Password - 1234

## Driver Profile

CabMe : Driver Profile

500 Internal Server Error

localhost:5000/driverProfile

60%

Welcome to CabMe

Driver Profile

Logout

Total Earning : 76.91 £  
Today's Earnings : 0.00 £

Name

Riley Walker

E-mail

riley@xyz.com

Rating

3.835 / 5

Vehicle Plate

LD07 BWJ

Model

Ford Fiesta

Type

Car

Fair Calculation

Surcharges:  
5pm - 10pm : 5 £  
10pm - 6am : 6 £

Charges:  
1st 5Km : 1.2 £  
Every other 1Km : 1 £

Journey History

Start Date/Time	End Date/Time	Rating	Fair
16/07/2023, 13:38:18 UTC	16/07/2023, 13:38:23 UTC	4.00/ 5	17.403 £
16/07/2023, 09:08:16 UTC	16/07/2023, 09:08:21 UTC	5.00/ 5	12.628 £
15/07/2023, 19:27:52 UTC	15/07/2023, 19:27:58 UTC	4.00/ 5	10.469 £
15/07/2023, 18:16:50 UTC	15/07/2023, 18:16:56 UTC	3.00/ 5	12.114 £
15/07/2023, 17:14:39 UTC	15/07/2023, 17:14:42 UTC	3.00/ 5	13.306 £
15/07/2023, 17:09:48 UTC	15/07/2023, 17:09:52 UTC	4.00/ 5	10.986 £

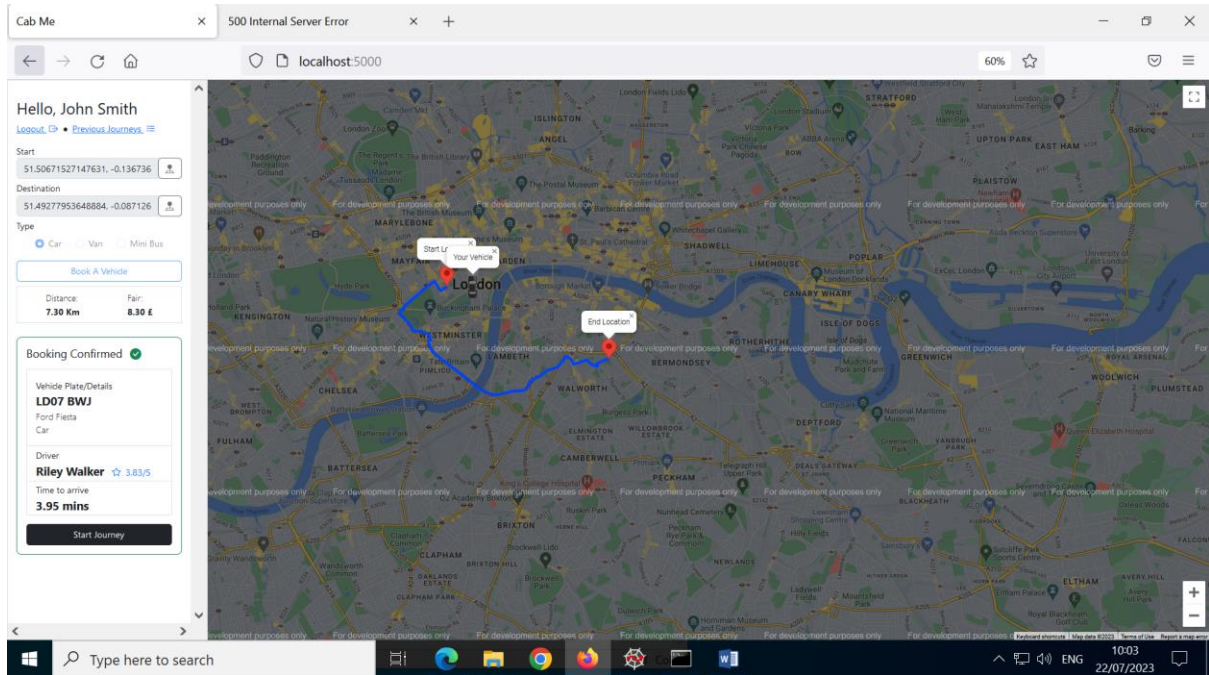
Demonstrating new ride info adding to the drivers view, booking a specific car.

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.

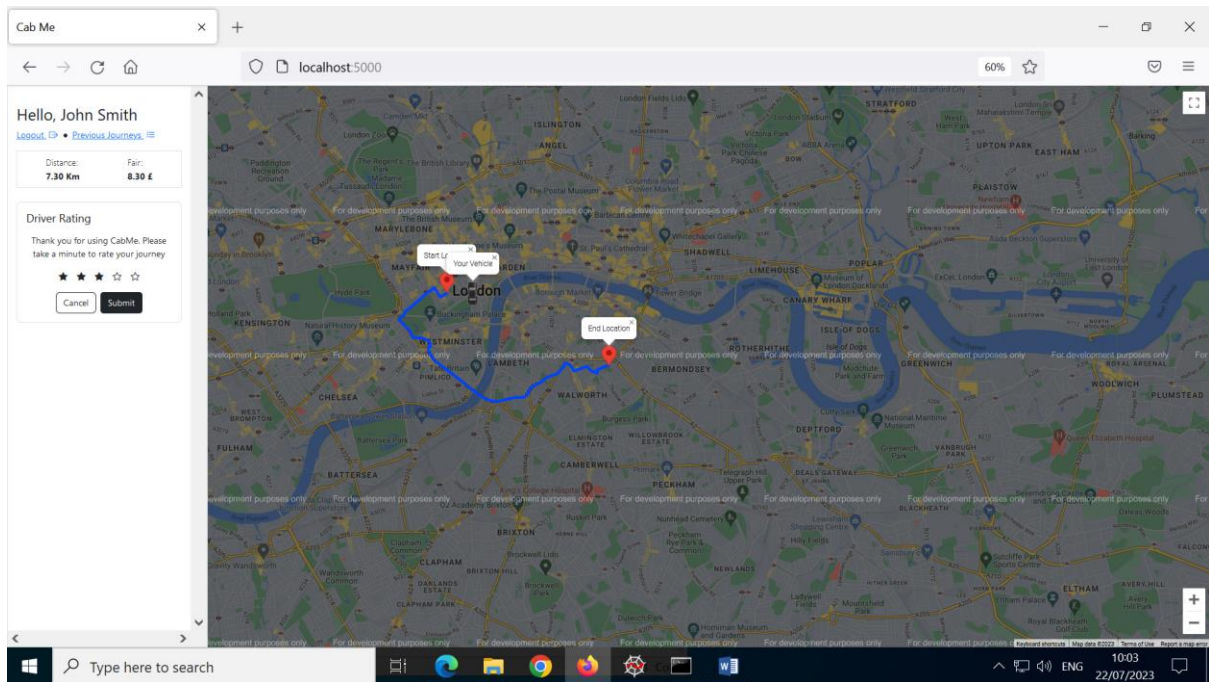
Username: john@abc.com

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

CabMe : Driver Profile

localhost:5000/driverProfile

60%

60%

60%

Welcome to CabMe

Driver Profile

Logout

Total Earning : 85.21 £

Today's Earnings : 8.30 £

Name

Riley Walker

E-mail

riley@xyz.com

Rating

3.715 / 5

Vehicle Plate

LD07 BWJ

Model

Ford Fiesta

Type

Car

Fair Calculation

Surcharges:  
5pm - 10pm : 5 £  
10pm - 6am : 6 £

Charges:  
1st 5Km : 1.2 £  
Every other 1Km : 1 £

Journey History

Start Date/Time	End Date/Time	Rating	Fair
22/07/2023, 09:03:24 UTC	22/07/2023, 09:03:41 UTC	3.00/ 5	8.3 £
16/07/2023, 13:38:18 UTC	16/07/2023, 13:38:23 UTC	4.00/ 5	17.403 £
16/07/2023, 09:08:16 UTC	16/07/2023, 09:08:21 UTC	5.00/ 5	12.628 £
15/07/2023, 19:27:52 UTC	15/07/2023, 19:27:58 UTC	4.00/ 5	10.469 £
15/07/2023, 18:16:50 UTC	15/07/2023, 18:16:56 UTC	3.00/ 5	12.114 £
15/07/2023, 17:14:39 UTC	15/07/2023, 17:14:42 UTC	3.00/ 5	13.306 £
15/07/2023, 17:09:48 UTC	15/07/2023, 17:09:52 UTC	4.00/ 5	10.986 £

LogIn as Admin

UserName - [admin@abc.com](#)

Password - 1234

View Driver details who registered with the application

CabMe : Admin

localhost:5000/adminPanel

60%

60%

60%

Welcome to CabMe

Admin Dashboard

Logout

Drivers/Vehicles

Transactions

Drivers

Id	Name	Email	Vehicle Plate	Vehicle Type	Vehicle Model
m0XgFw	Riley Walker	riley@xyz.com	LD07 BWJ	Car	Ford Fiesta
nZX88ZHz	Jorge Nelson	No user account linked	LD03 RYO	Car	Volkswagen Polo
Tkwu74WC	Gilbert Morgan	No user account linked	LE03 EPX	Car	Vauxhall Astra
5KWpnAJN	Ivan Cooper	No user account linked	LC07 UMA	Van	Nissan Townstar
uF5ZXXYw	Jorge Scott	No user account linked	LB02 ADH	Van	Mercedes Citan
VMerzMH8	Dan Howard	No user account linked	LD03 IHU	Mini Bus	Peugeot
8eff67Xd	Ivan Scott	No user account linked	LE03 ADB	Mini Bus	Renault

## Admin Dashboard - Completed Transactions

CabMe : Admin

localhost:5000/adminPanel

Welcome to CabMe  
Admin Dashboard [Logout](#)

Drivers/Vehicles

Transactions

Journeys and Transactions

Sorted descending by End Date/Time

Vehicle Id	Vehicle Plate	Driver Name	Start Date/Time (UTC)	End Date/Time (UTC)	Rating	Fair
mXlqFw	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
mXlqFw	LD07 BWJ	Riley Walker	Sun, 16 Jul 2023 12:38:18 GMT	Sun, 16 Jul 2023 12:38:23 GMT	4 / 5	17,403
mXlqFw	LD07 BWJ	Riley Walker	Sun, 16 Jul 2023 08:08:16 GMT	Sun, 16 Jul 2023 08:08:21 GMT	5 / 5	12,628
mXlqFw	LD07 BWJ	Riley Walker	Sat, 15 Jul 2023 18:27:52 GMT	Sat, 15 Jul 2023 18:27:58 GMT	4 / 5	10,469
mXlqFw	LD07 BWJ	Riley Walker	Sat, 15 Jul 2023 17:16:50 GMT	Sat, 15 Jul 2023 17:16:56 GMT	3 / 5	12,114
uF5ZXXw	LB02 AOH	Jorge Scott	Sat, 15 Jul 2023 16:15:18 GMT	Sat, 15 Jul 2023 16:15:20 GMT	3 / 5	7,439
mXlqFw	LD07 BWJ	Riley Walker	Sat, 15 Jul 2023 16:14:39 GMT	Sat, 15 Jul 2023 16:14:42 GMT	3 / 5	13,306
mXlqFw	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

CabMe : Admin

localhost:5000/adminPanel

Welcome to CabMe  
Admin Dashboard [Logout](#)

Drivers/Vehicles

Transactions

Journeys and Transactions

Sorted descending by End Date/Time

Vehicle Id	Vehicle Plate	Driver Name	Start Date/Time (UTC)	End Date/Time (UTC)	Rating	Fair
mXlqFw	LD07 BWJ	Riley Walker	Sat, 22 Jul 2023 08:03:24 GMT	Sat, 22 Jul 2023 08:03:41 GMT	3 / 5	8.3
mXlqFw	LD07 BWJ	Riley Walker	Sun, 16 Jul 2023 12:38:18 GMT	Sun, 16 Jul 2023 12:38:23 GMT	4 / 5	17,403
mXlqFw	LD07 BWJ	Riley Walker	Sun, 16 Jul 2023 08:08:16 GMT	Sun, 16 Jul 2023 08:08:21 GMT	5 / 5	12,628
mXlqFw	LD07 BWJ	Riley Walker	Sat, 15 Jul 2023 18:27:52 GMT	Sat, 15 Jul 2023 18:27:58 GMT	4 / 5	10,469
mXlqFw	LD07 BWJ	Riley Walker	Sat, 15 Jul 2023 17:16:50 GMT	Sat, 15 Jul 2023 17:16:56 GMT	3 / 5	12,114
mXlqFw	LD07 BWJ	Riley Walker	Sat, 15 Jul 2023 16:14:39 GMT	Sat, 15 Jul 2023 16:14:42 GMT	3 / 5	13,306
mXlqFw	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

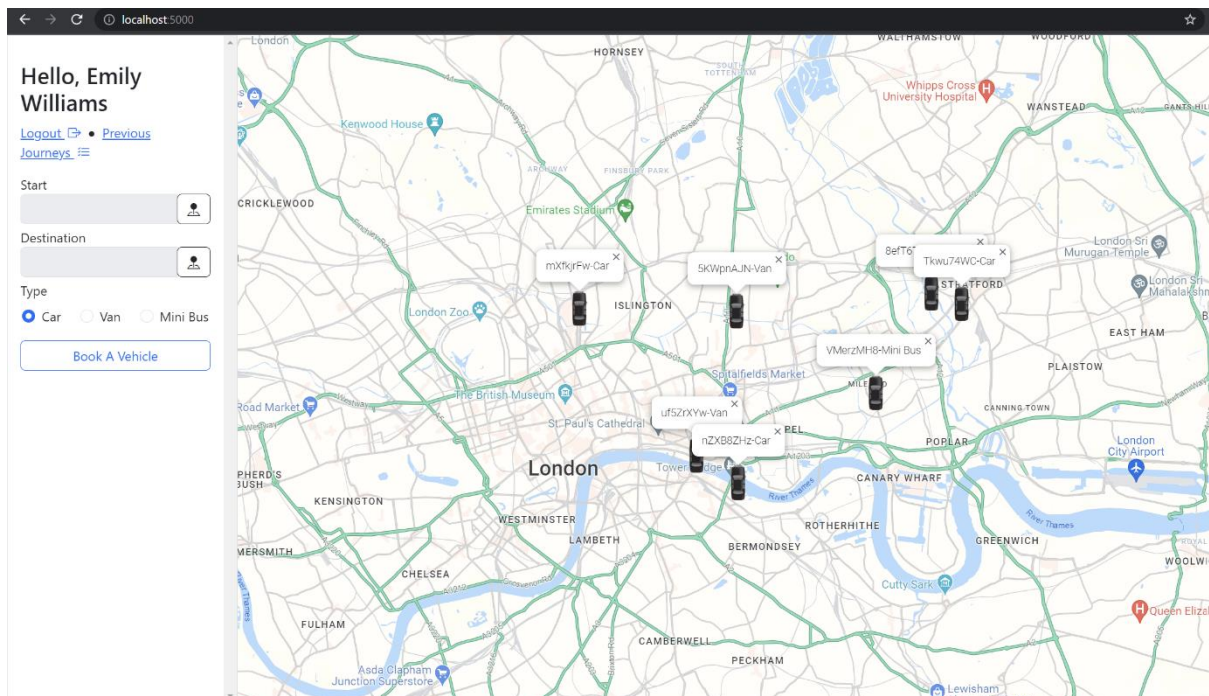
## Calling API - Continue with Manager Login

Result for endpoint '/api/status'

```
localhost:5000/api/status
localhost:5000/api/status

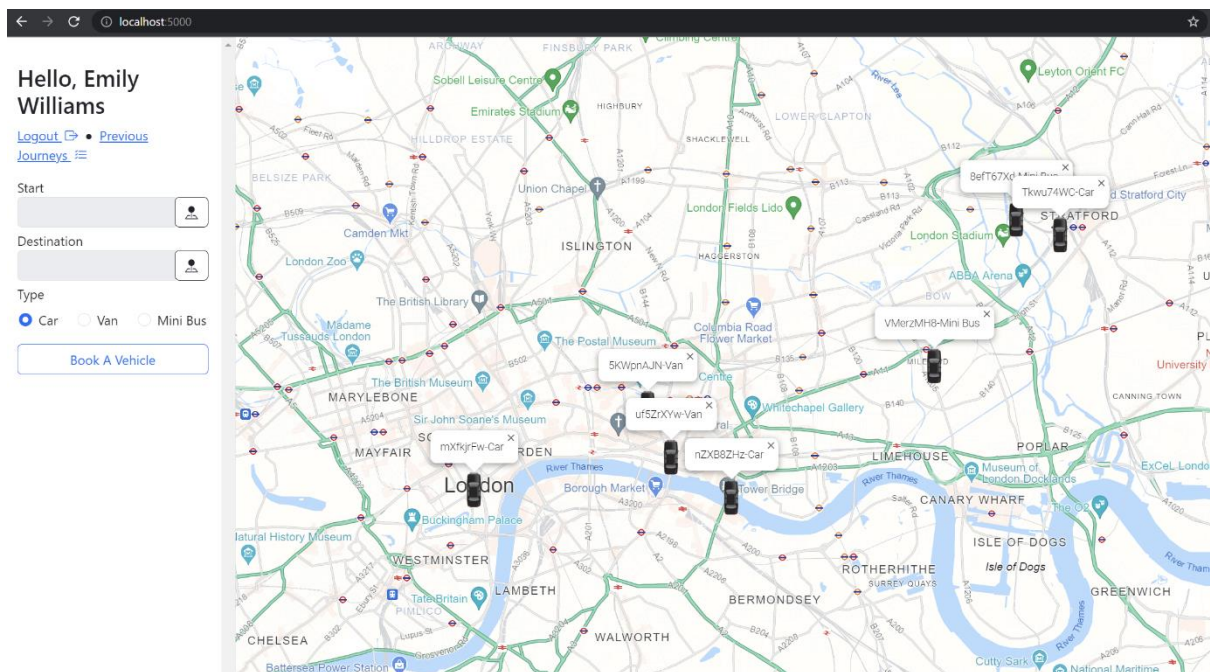
[
  {
    "id": "mXfKj3nFw",
    "lat": "51.5088562",
    "lng": "-0.1304571",
    "type": "Car"
  },
  {
    "id": "nZX88Zh",
    "lat": "51.5088898",
    "lng": "-0.0762883634683647",
    "type": "Car"
  },
  {
    "id": "Tkwo74wC",
    "lat": "51.5425649",
    "lng": "-0.00693080308689057",
    "type": "Car"
  },
  {
    "id": "5KlupnA3H",
    "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": "8eftT67Xd",
    "lat": "51.54458615",
    "lng": "-0.0161905117168855",
    "type": "Mini Bus"
  }
]
```

## Vehicle Locations Before Calling 'api/reset'





## Vehicle Locations After Calling '/api/reset'



## Results of '/api/reset'

