

Steps to follow for the environment setup and bring up the application

### Preparation of the environment

1. `source .venv/bin/activate` – set up virtual environment
2. `install -r requirements.txt` –

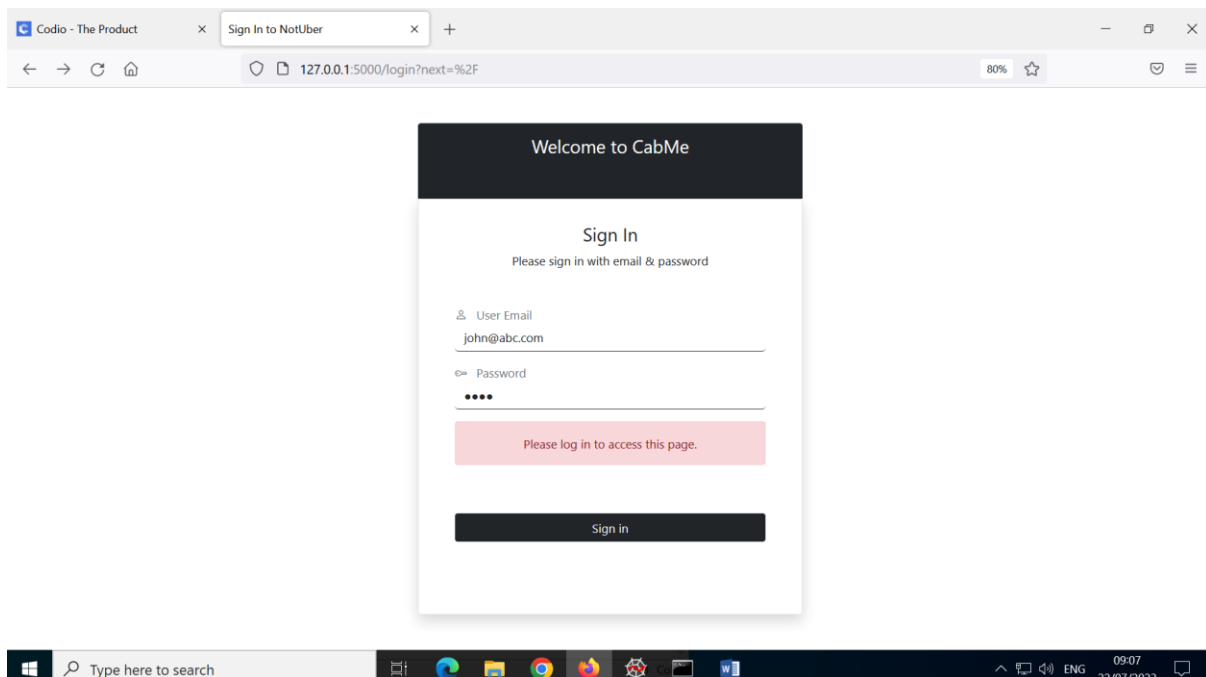
To bring up the application,

1. Go to the application file hosted directory (workspace of Phase 3).
2. Bring up the application with the following command,  
`python -m flask run`
3. Access the application by typing the URL <http://localhost/5000> and this will bring you to the log In page

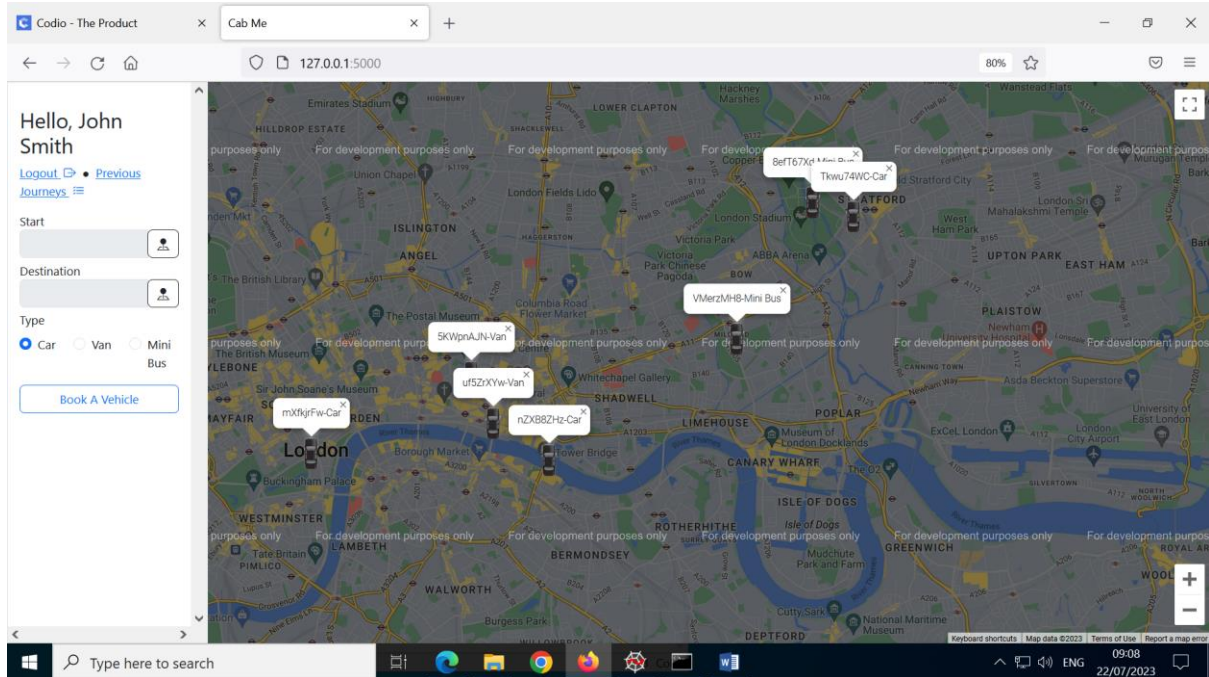
Login as a rider,

username – `john@abc.com`

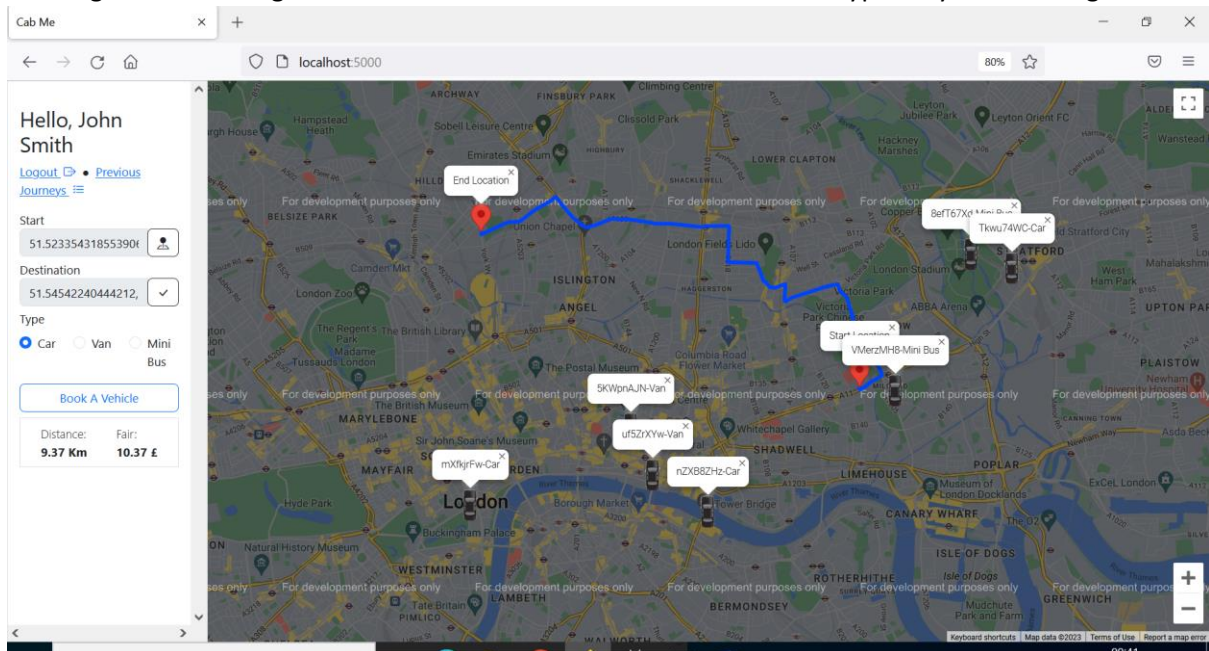
password - 1234



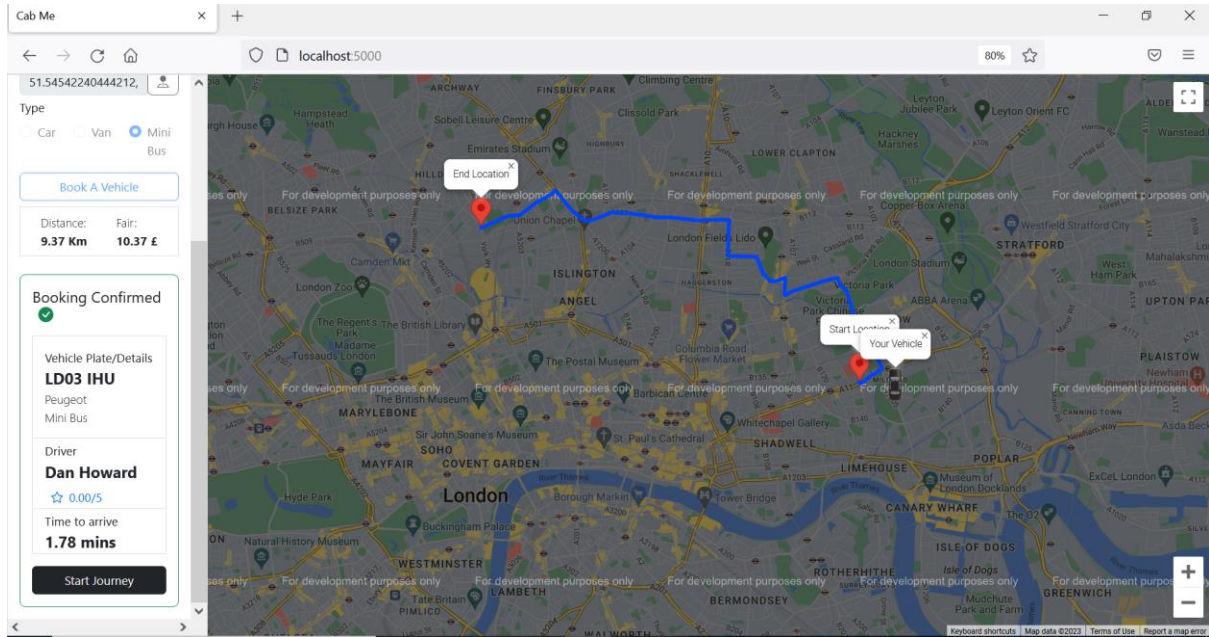
Landing page for rider. It shows the available taxis



Booking a cab selecting start and end locations. Based on the vehicle type they select charges varies



Once the booking is done, the confirmation appears

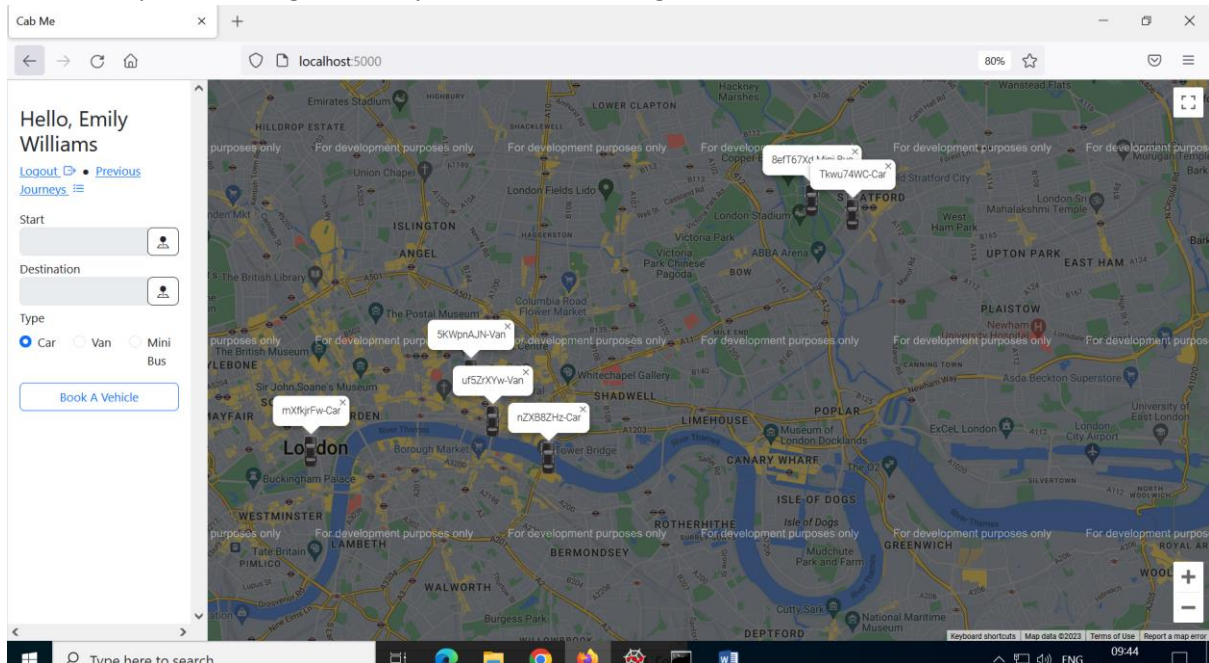


The already booked and having active booking taxis will not available for the next riders who is logged to the system. Log in as

Username - [emily@xyz.com](mailto:emily@xyz.com)

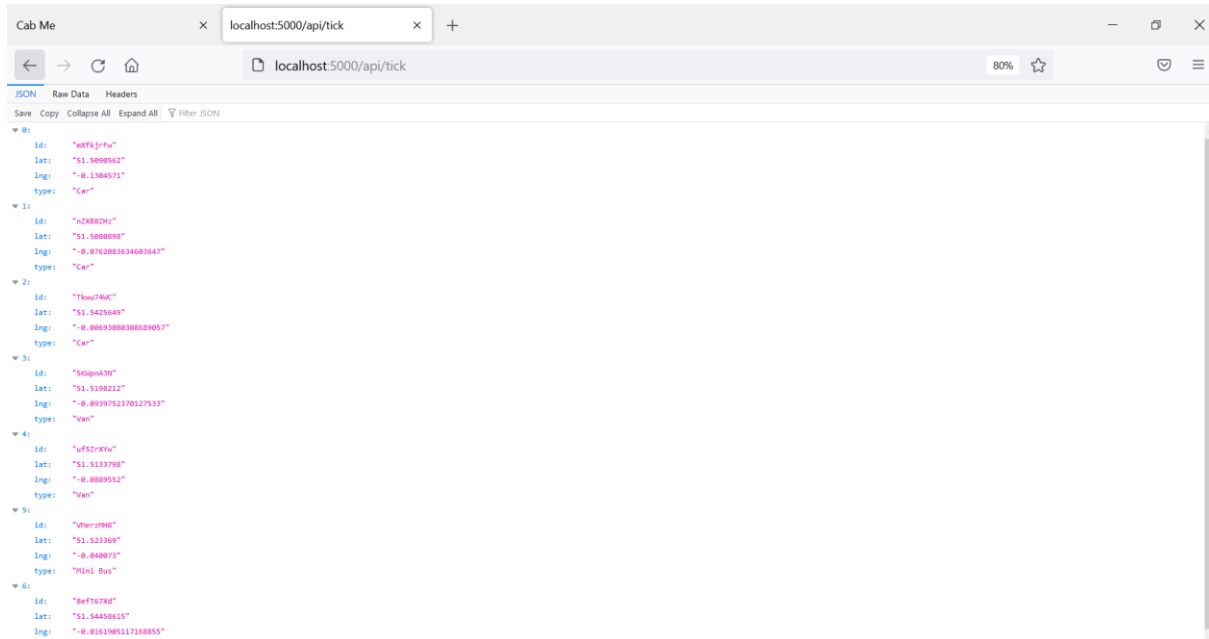
Password - 1234

When Emily Williams login, already booked cab no longer visible to this user

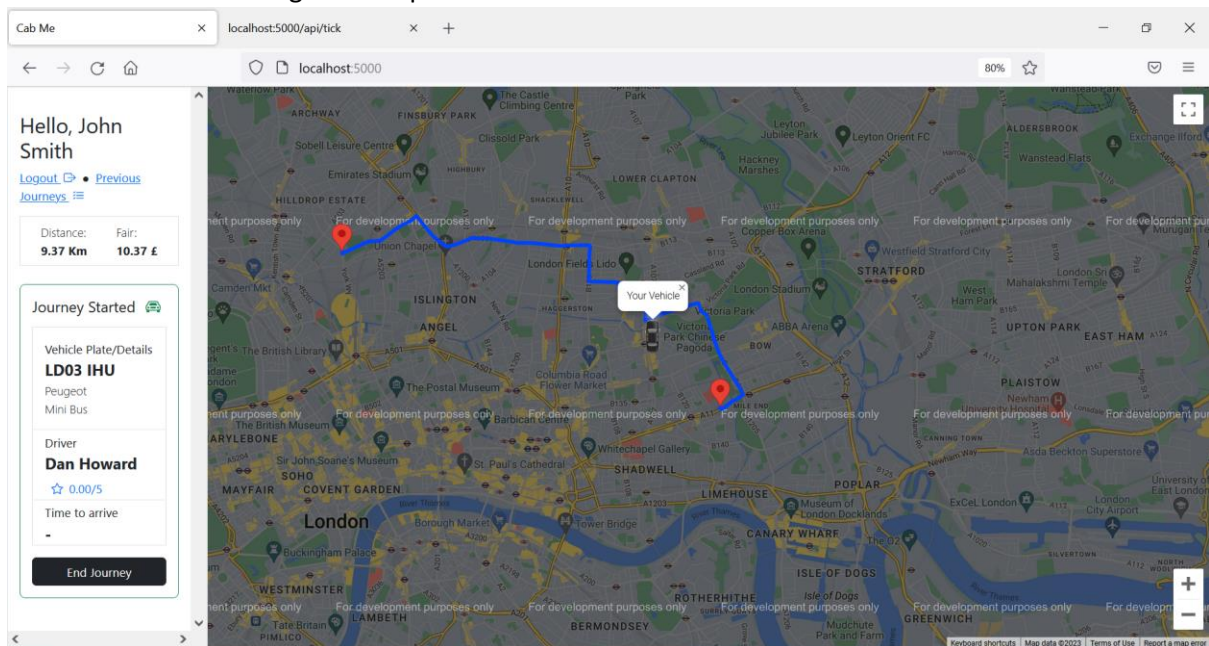




Progress of the journey <http://localhost:5000/api/tick>

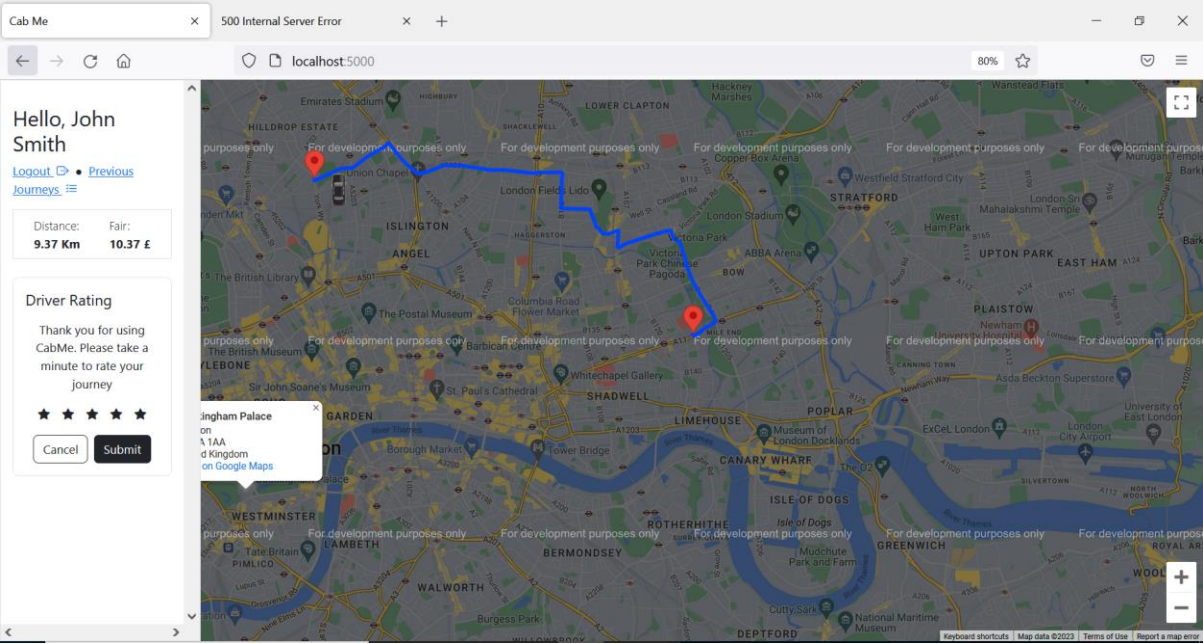


Vehicle has moved along the ride path

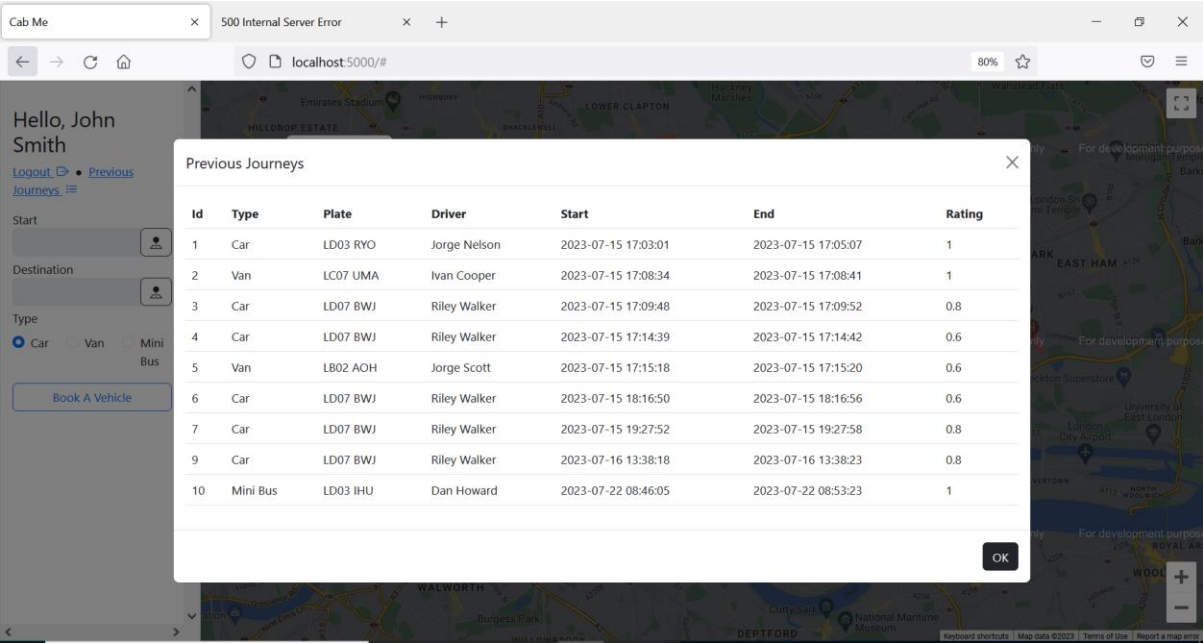


(To automate this or for live tracking API tick should handle for one particular position.)

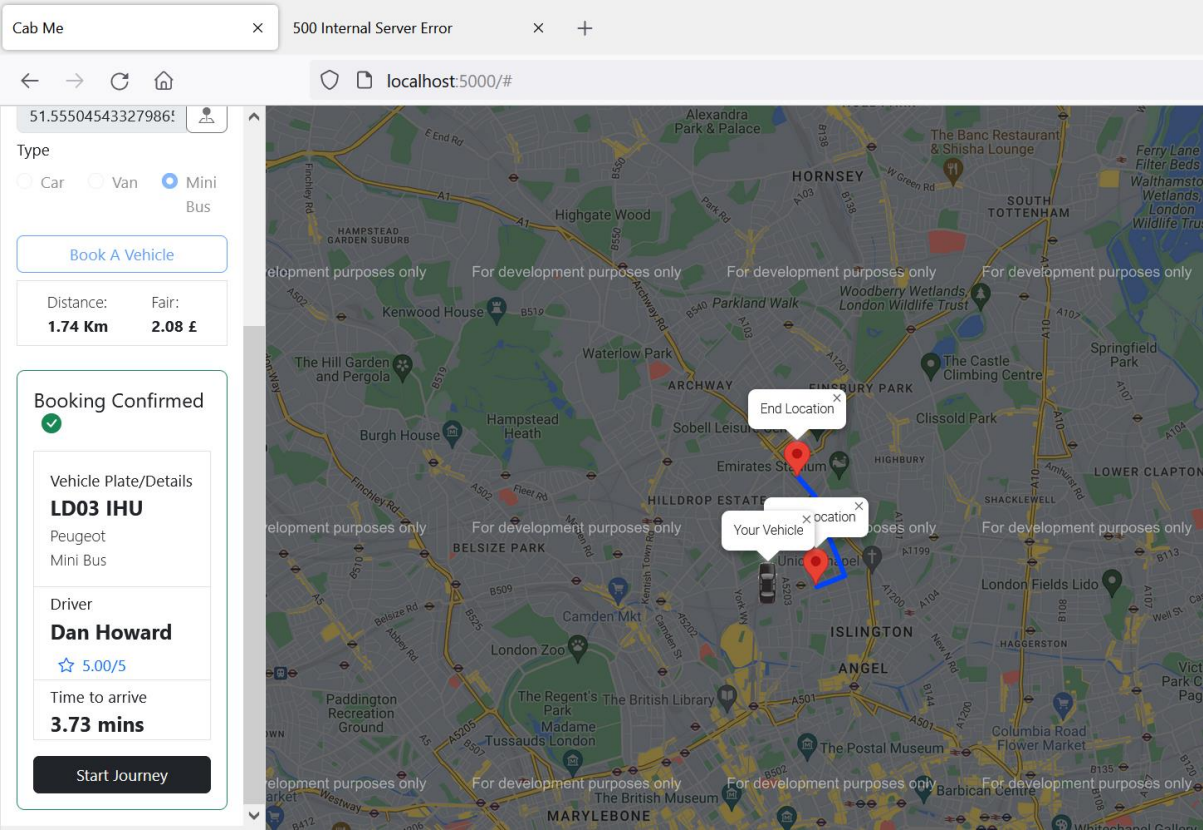
Once reach the destination, Ending and rate the journey.



You can view the Previous journeys



Same driver got the previous rating (The average of the rating will display)



Once you login as a Driver, you will notice the summary of history. To view the login as a driver use

Username - [riley@xyz.com](mailto:riley@xyz.com)

Password - 1234

Welcome to CabMe

Driver Profile

Logout

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

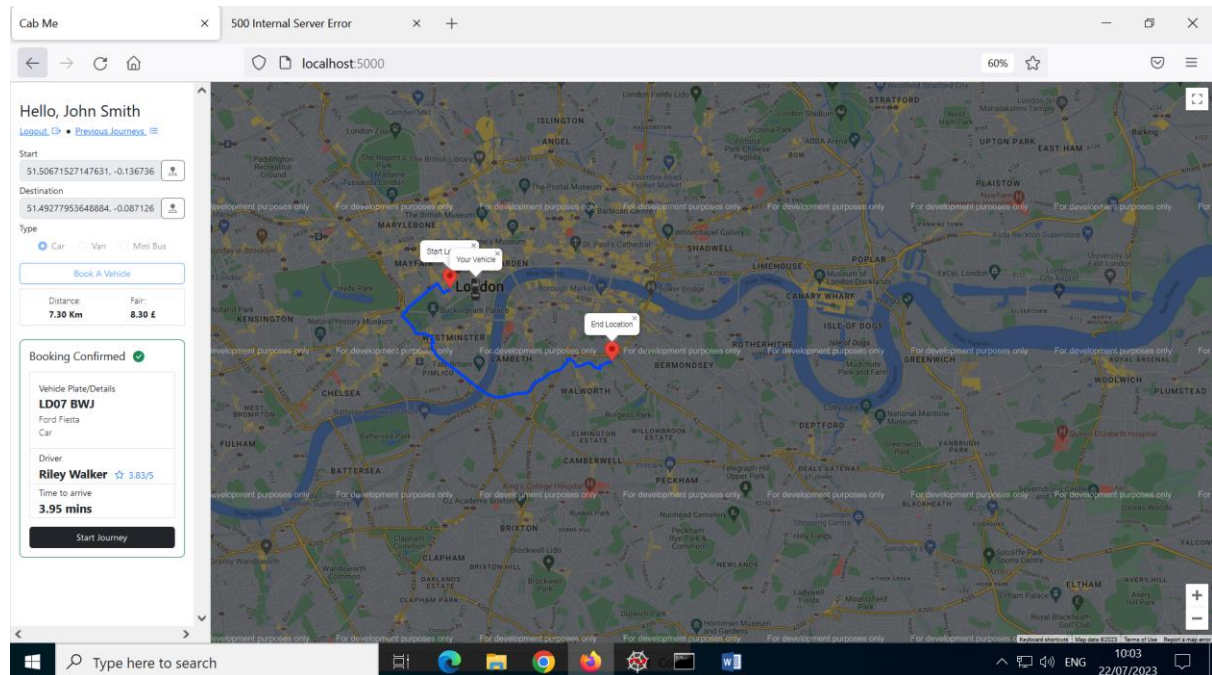
Start Date/Time	End Date/Time	Rating	Fair
16/07/2023, 13:38:18 UTC	16/07/2023, 13:38:23 UTC	4.00/ 5	17.403 £
16/07/2023, 09:08:16 UTC	16/07/2023, 09:08:21 UTC	5.00/ 5	12.628 £
15/07/2023, 19:27:52 UTC	15/07/2023, 19:27:58 UTC	4.00/ 5	10.469 £
15/07/2023, 18:16:50 UTC	15/07/2023, 18:16:56 UTC	3.00/ 5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

Total Earning : 76.91 £

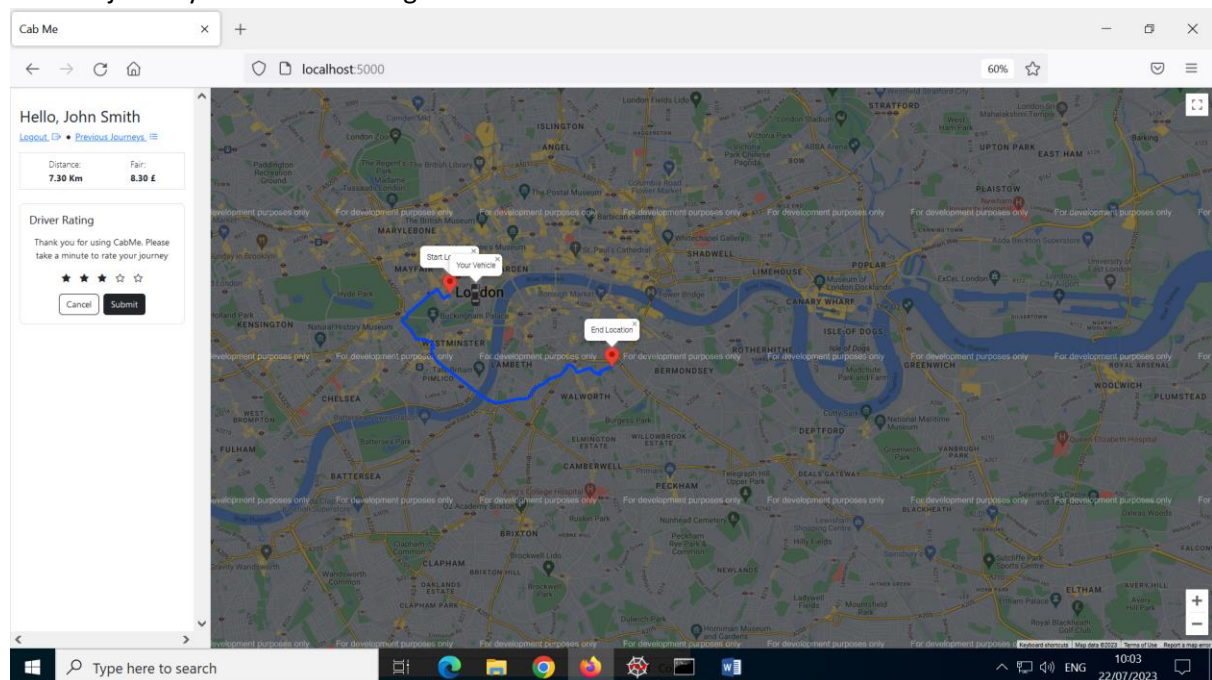
Today's Earnings : 0.00 £



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 (Use [john@abc.com](mailto:john@abc.com) as username and password as 1234)



End the journey and submit rating



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

CabMe : Driver Profile

localhost:5000/driverProfile

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:  
Spm - 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 a Manager

UserName - [admin@abc.com](mailto:admin@abc.com)

Password - 1234

View Driver details who registered with the application

CabMe : Admin

localhost:5000/adminPanel

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Welcome to CabMe  
Admin Dashboard

Logout

Drivers/Vehicles

Transactions

Drivers

Id	Name	Email	Vehicle Plate	Vehicle Type	Vehicle Model
mX0jrfw	Riley Walker	riley@xyz.com	LD07 BWJ	Car	Ford Fiesta
nZX86ZHz	Jorge Nelson	No user account linked	LD03 RYO	Car	Volkswagen Polo
Tl0w74WC	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 AQH	Van	Mercedes Citan
VMerzMH8	Dan Howard	No user account linked	LD03 IHU	Mini Bus	Peugeot
BefT67Xd	Ivan Scott	No user account linked	LE03 AD8	Mini Bus	Renault



## All transactions that completed

CabMe : Admin

localhost:5000/adminPanel

60%

Welcome to CabMe  
Admin Dashboard [Logout](#)

Drivers/Vehicles

Transactions

Journeys and Transactions

Search by Driver Name or Vehicle Plate

Sorted descending by End Date/Time

Vehicle Id	Vehicle Plate	Driver Name	Start Date/Time (UTC)	End Date/Time (UTC)	Rating	Fair
mXlgFw	LD07 BWJ	Riley Walker	Sat, 22 Jul 2023 08:03:24 GMT	Sat, 22 Jul 2023 08:03:41 GMT	3 / 5	8.3
VMerzMHB	LD03 IHU	Dan Howard	Sat, 22 Jul 2023 08:01:44 GMT	Sat, 22 Jul 2023 08:01:46 GMT	4 / 5	2.082
VMerzMHB	LD03 IHU	Dan Howard	Sat, 22 Jul 2023 07:46:05 GMT	Sat, 22 Jul 2023 07:53:23 GMT	5 / 5	10.374
mXlgFw	LD07 BWJ	Riley Walker	Sun, 16 Jul 2023 12:38:18 GMT	Sun, 16 Jul 2023 12:38:23 GMT	4 / 5	17.403
mXlgFw	LD07 BWJ	Riley Walker	Sun, 16 Jul 2023 08:08:16 GMT	Sun, 16 Jul 2023 08:08:21 GMT	5 / 5	12.628
mXlgFw	LD07 BWJ	Riley Walker	Sat, 15 Jul 2023 18:27:52 GMT	Sat, 15 Jul 2023 18:27:58 GMT	4 / 5	10.469
mXlgFw	LD07 BWJ	Riley Walker	Sat, 15 Jul 2023 17:16:50 GMT	Sat, 15 Jul 2023 17:16:56 GMT	3 / 5	12.114
u5ZiXfW	LB02 ADH	Jorge Scott	Sat, 15 Jul 2023 16:15:18 GMT	Sat, 15 Jul 2023 16:15:20 GMT	3 / 5	7.439
mXlgFw	LD07 BWJ	Riley Walker	Sat, 15 Jul 2023 16:14:39 GMT	Sat, 15 Jul 2023 16:14:42 GMT	3 / 5	13.306
mXlgFw	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
nXB6ZHz	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

60%

Welcome to CabMe  
Admin Dashboard [Logout](#)

Drivers/Vehicles

Transactions

Journeys and Transactions

Search by Driver Name or Vehicle Plate

Sorted descending by End Date/Time

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

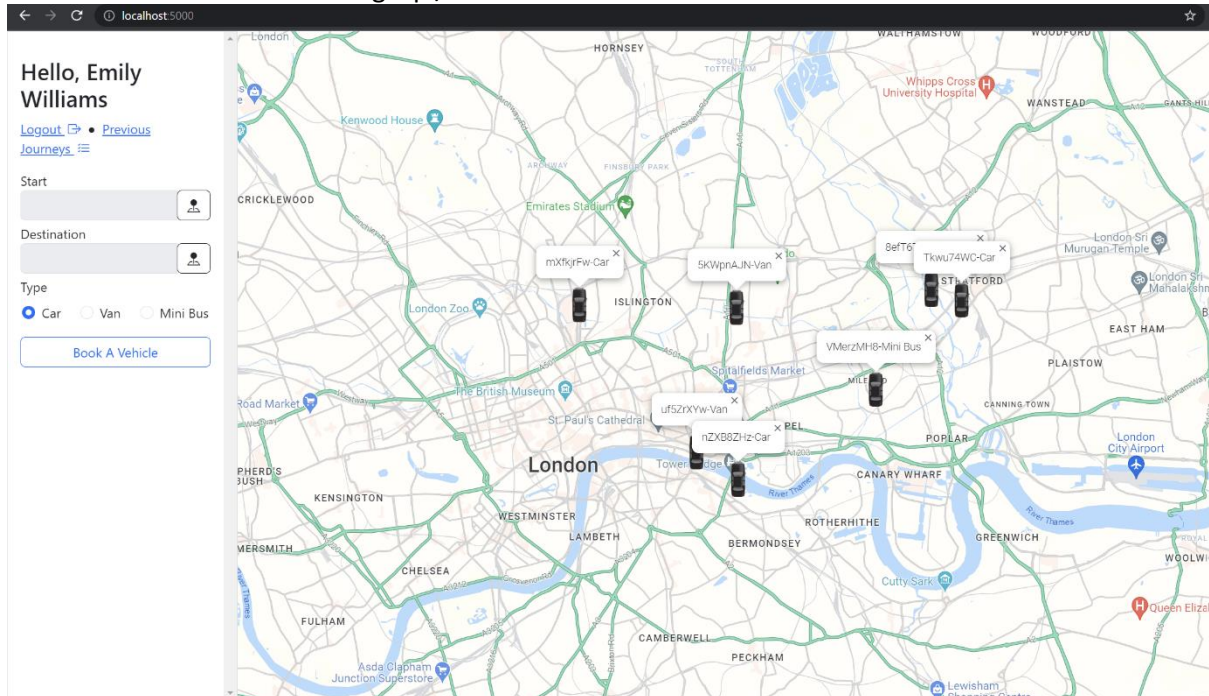
## Calling API – Continue as a Manager

### Result for endpoint '/api/status'

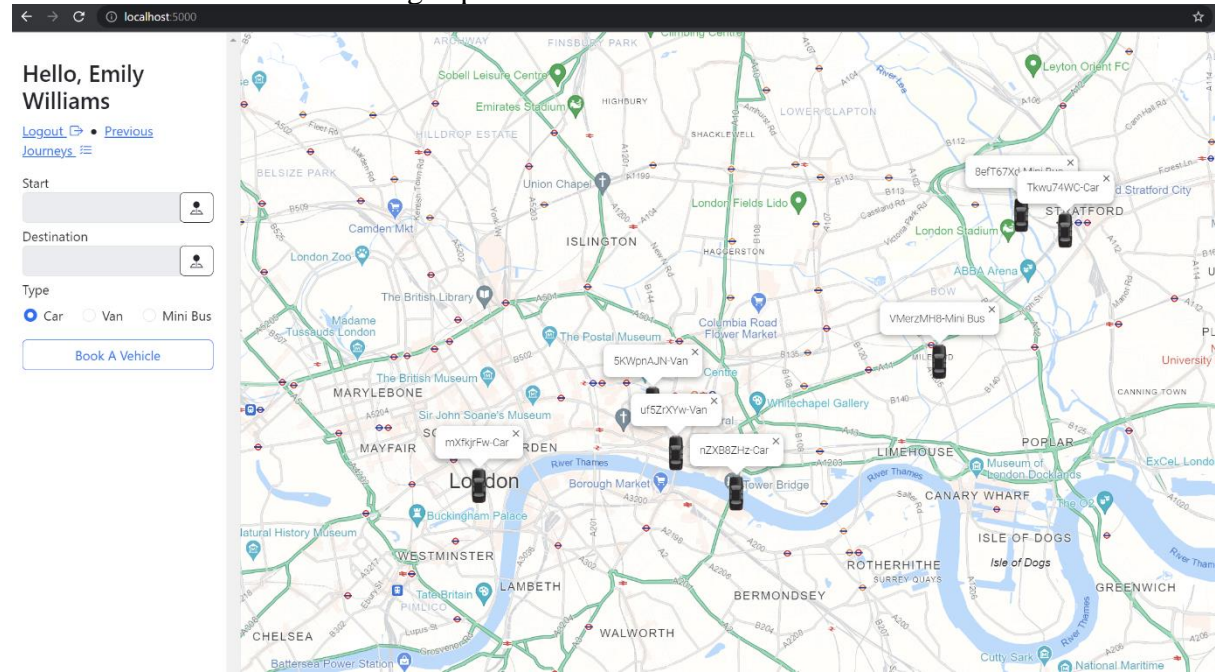
```
localhost:5000/api/status
localhost:5000/api/status

[
  {
    "id": "mxKjFw",
    "lat": "51.5098562",
    "lng": "-0.1384571",
    "type": "Car"
  },
  {
    "id": "nZX88ZHz",
    "lat": "51.5088898",
    "lng": "-0.076288364693647",
    "type": "Car"
  },
  {
    "id": "TkWu74WC",
    "lat": "51.5425649",
    "lng": "-0.00693080308689057",
    "type": "Car"
  },
  {
    "id": "5KUpnAJN",
    "lat": "51.5198212",
    "lng": "-0.0939752370127533",
    "type": "Van"
  },
  {
    "id": "uf5ZrXYw",
    "lat": "51.5133798",
    "lng": "-0.0889552",
    "type": "Van"
  },
  {
    "id": "VMerzMH8",
    "lat": "51.523378",
    "lng": "-0.083485",
    "type": "Mini Bus"
  },
  {
    "id": "8efT67Xd",
    "lat": "51.54458615",
    "lng": "-0.0161905117188855",
    "type": "Mini Bus"
  }
]
```

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



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



## Results of '/api/reset'

