

BikeShare System User Guide

Lab01 – 1d

testing account:

User:

```
name:user@user  
password: user
```

Operator:

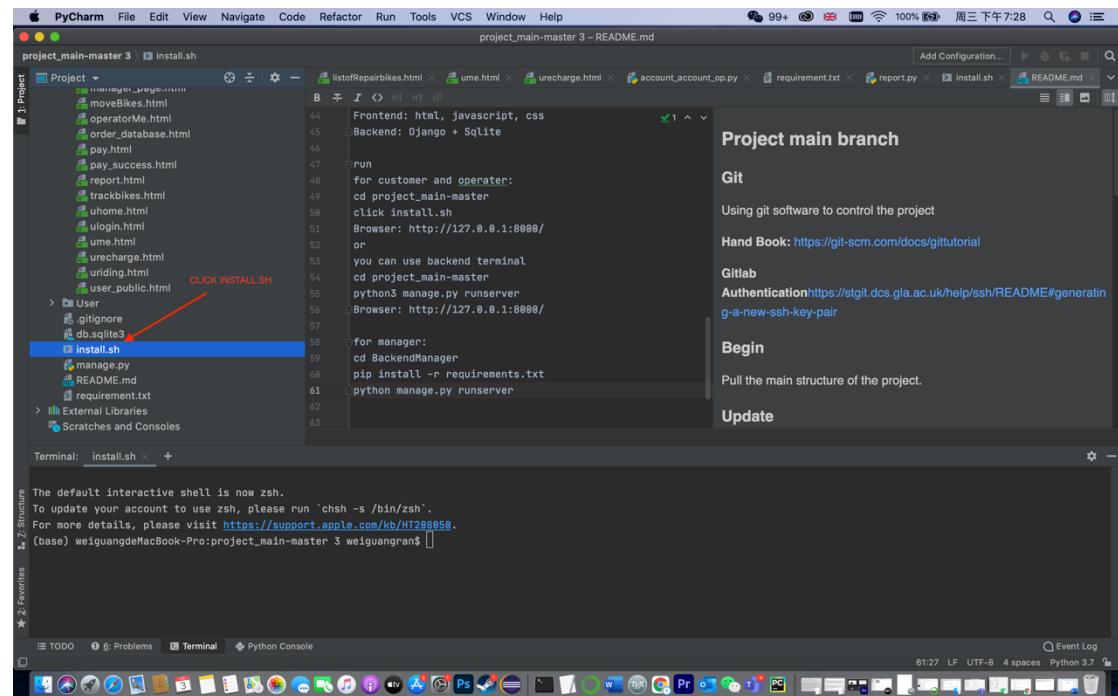
```
name: operator@operator  
Password: operator
```

Manager:

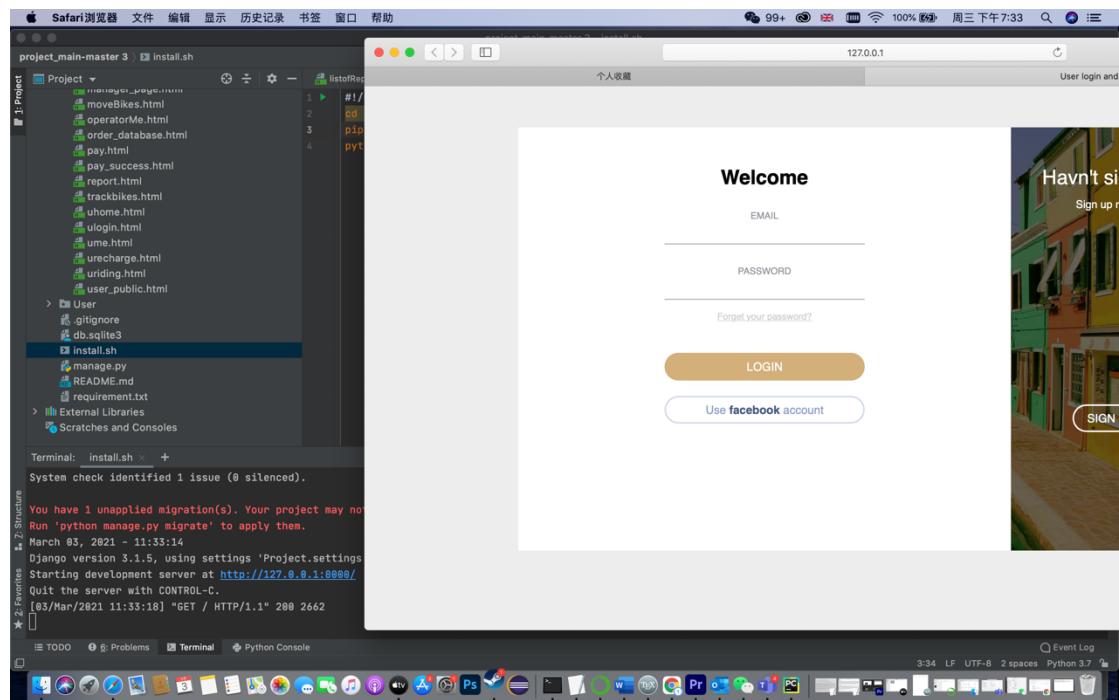
```
name: manager  
password: manager  
email: manager@gmail.com
```

User:

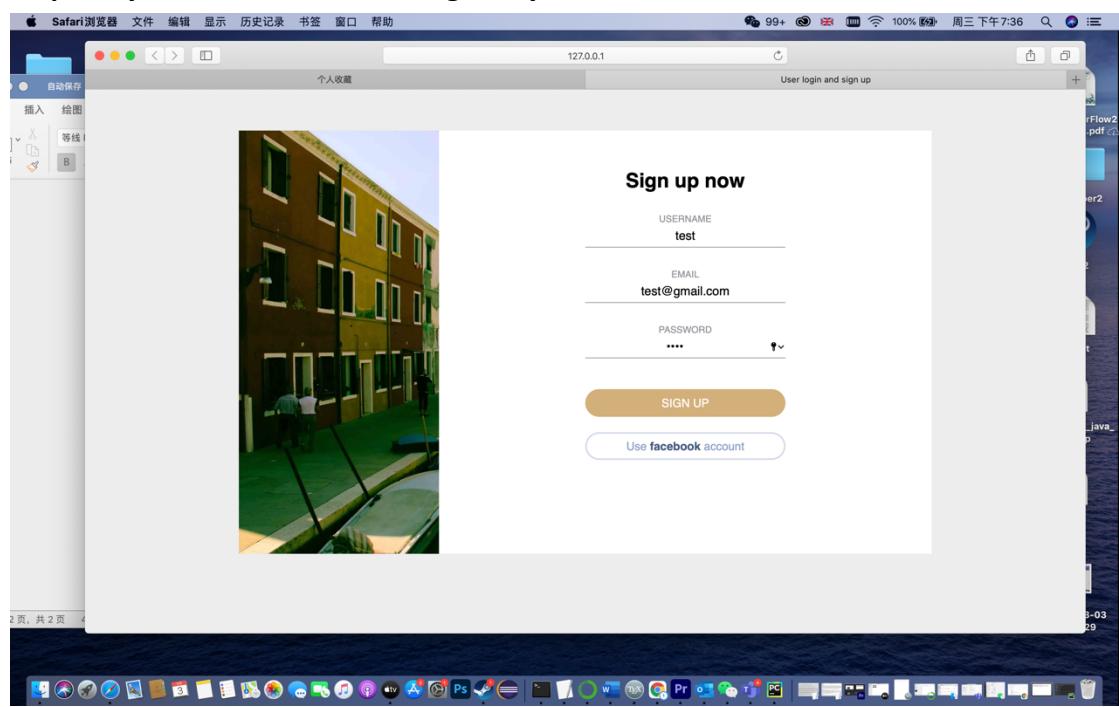
Step1: OPEN PROJECT IN YOUR IDE AND FIND INSTALL.SH, THEN RUN IT



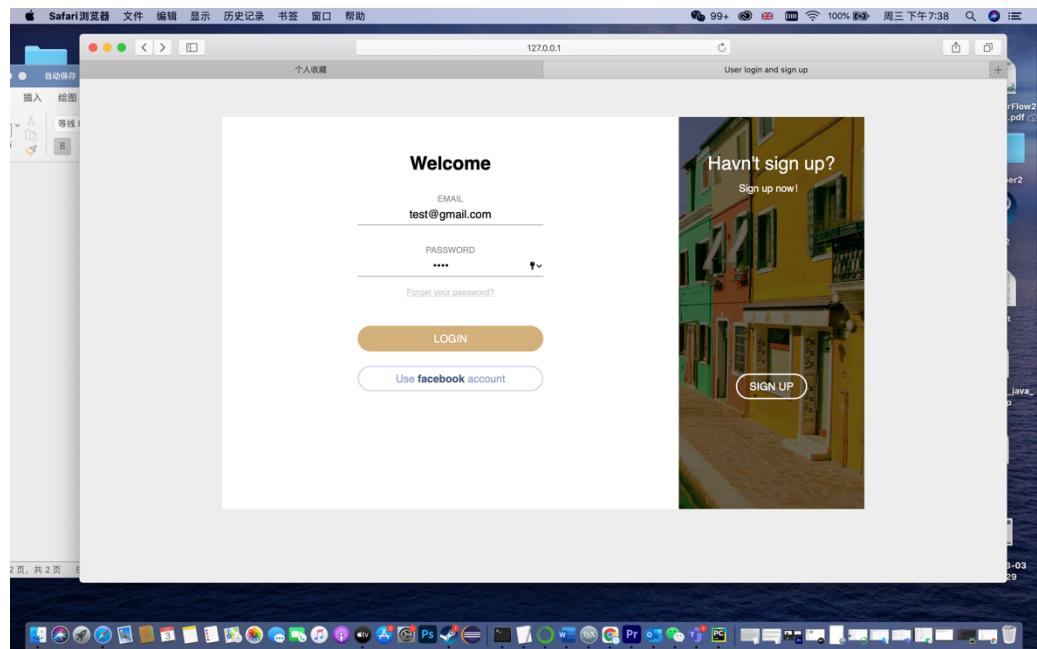
Step2: CLIKC the local host <http://127.0.0.1:8000> and the login page will show



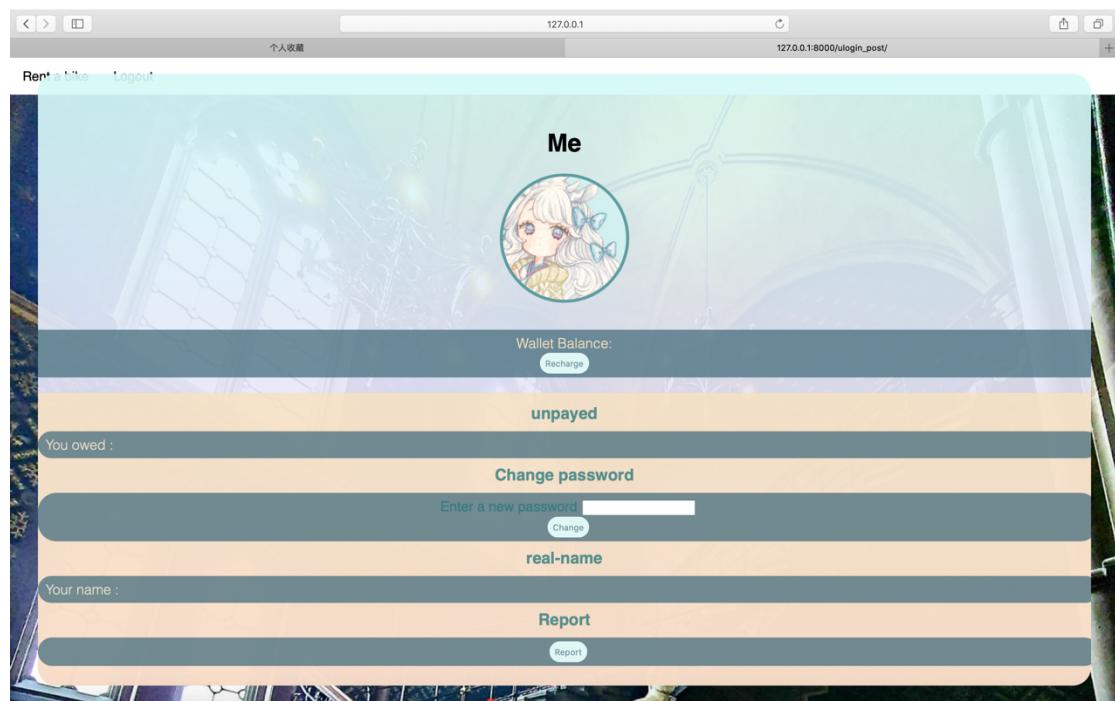
Step3: If you are the new user, register your account



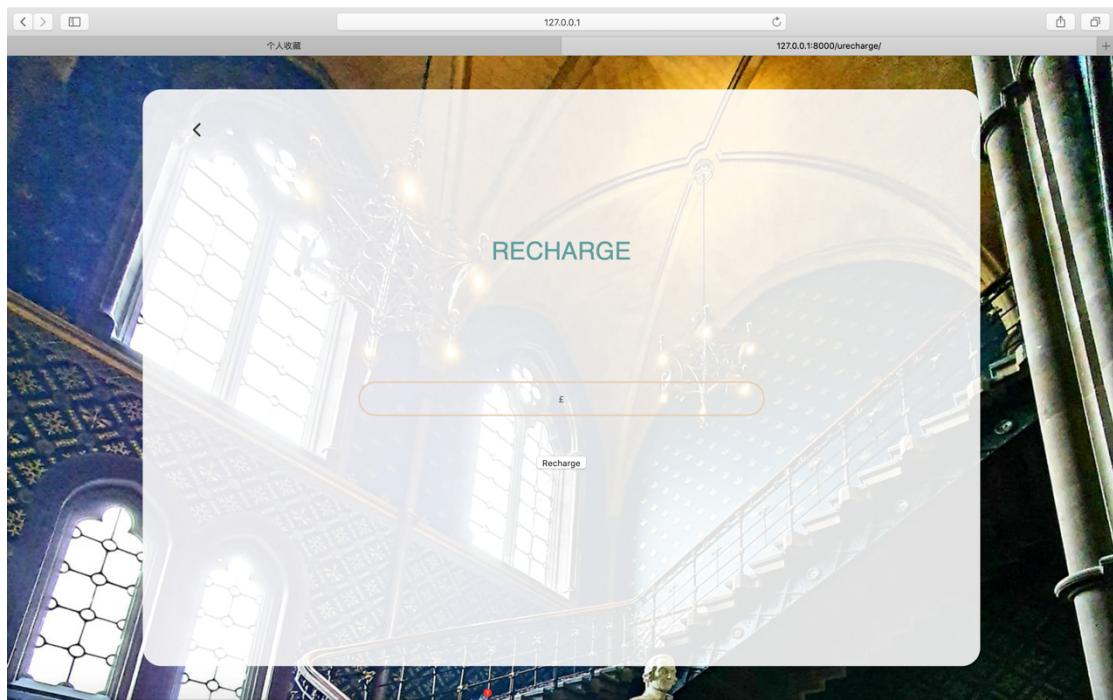
Step4: After you sign up, you can login



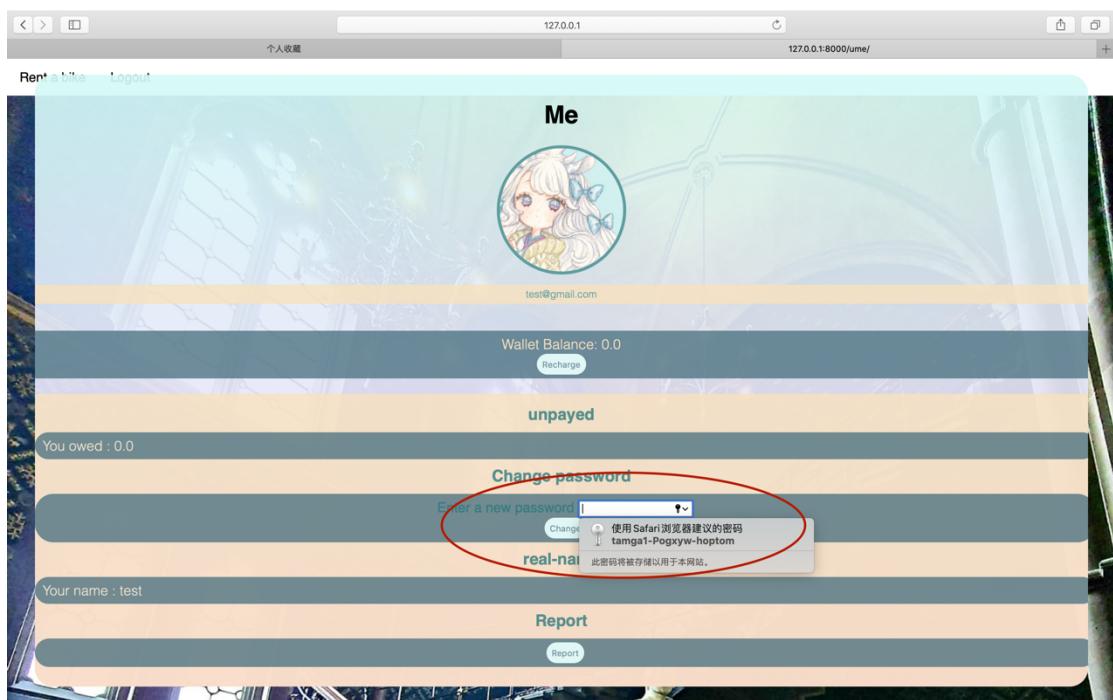
Step5: After you login, you can see your account page



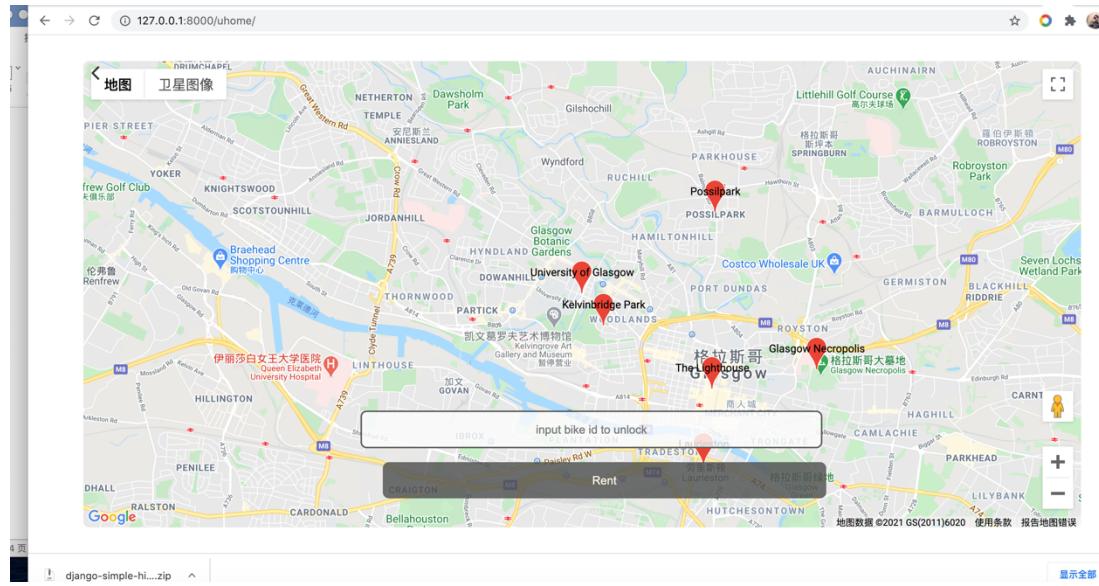
Step6: User can top up the balance



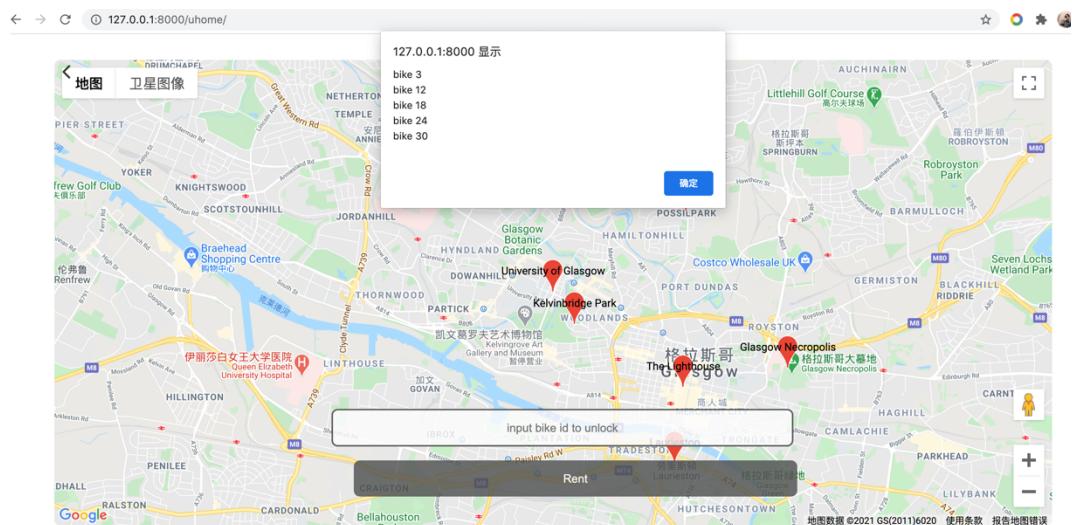
Step7: User can change their password at the account page



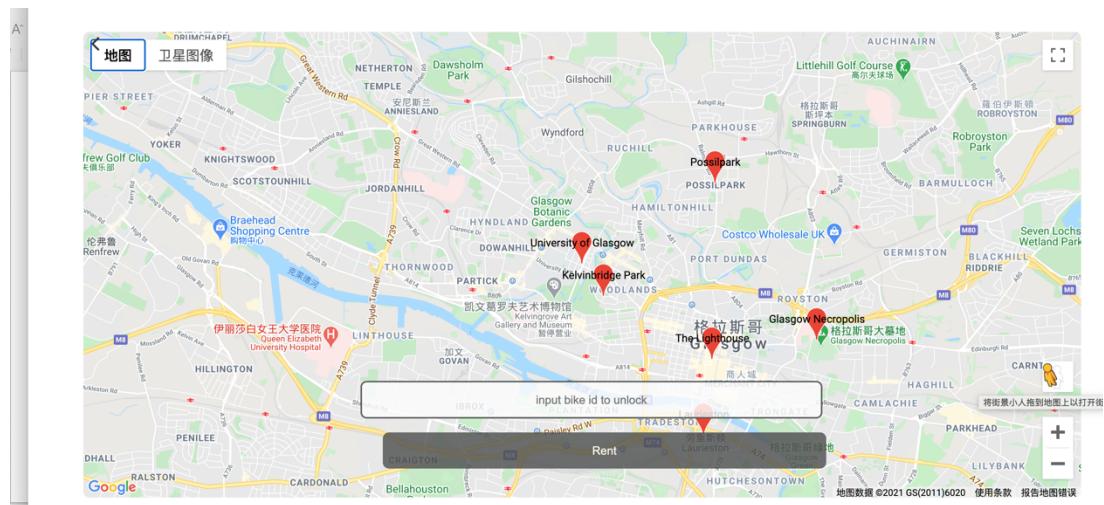
Step8: Click rent bike and will show the user where can rent the bike

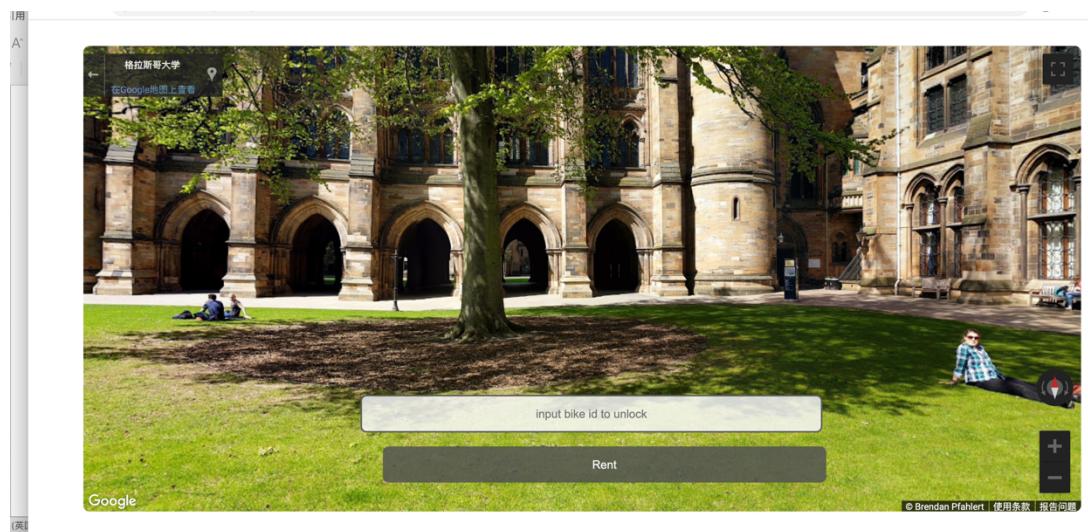


Step9: Click the icon where you want to rent the bike and it will show how many bikes are available

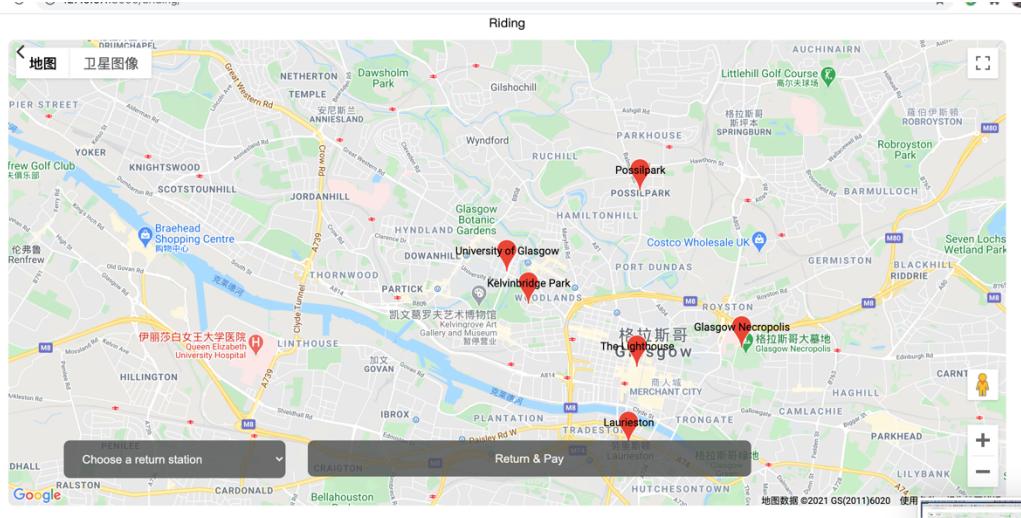
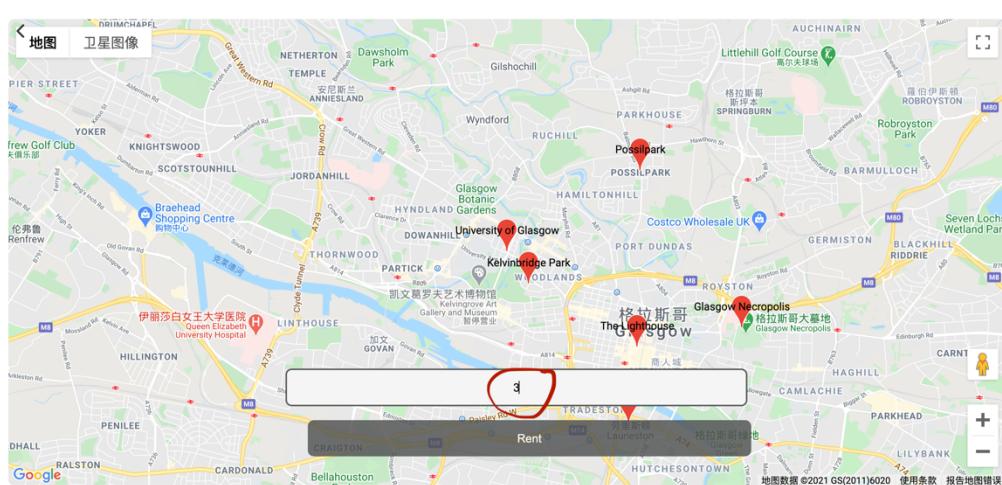


Step10: use and drag the yellow icon it will show you the real map

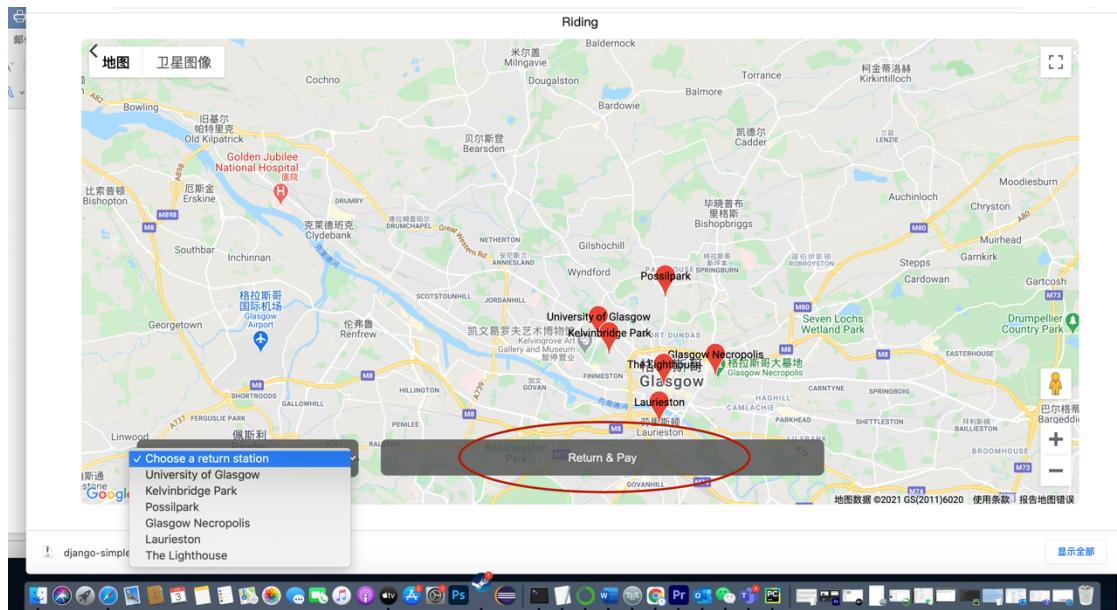




Step11: input the id which bike you want to rent (like id3)

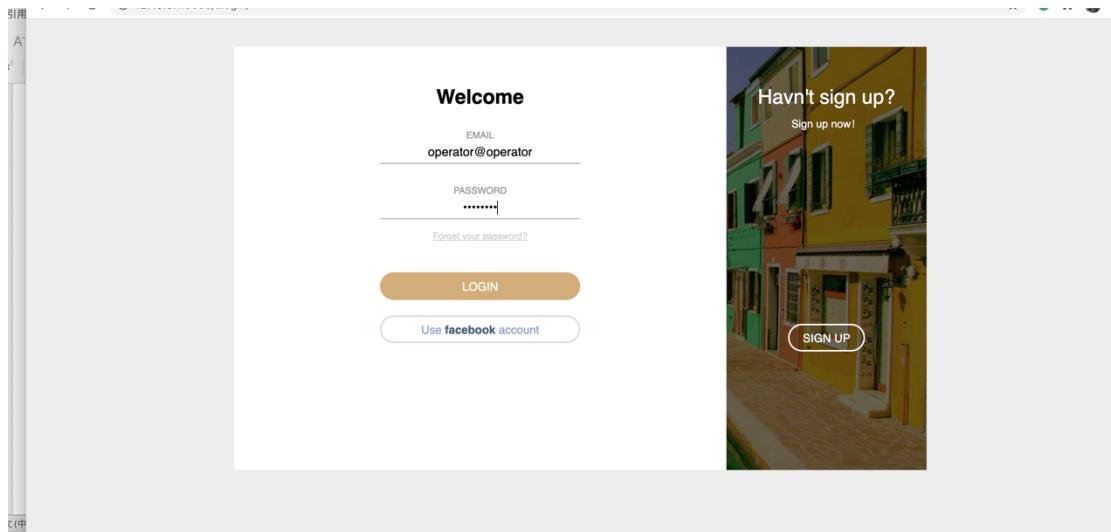


Step12: If you want to return you can choose the location and click return and pay



Operator:

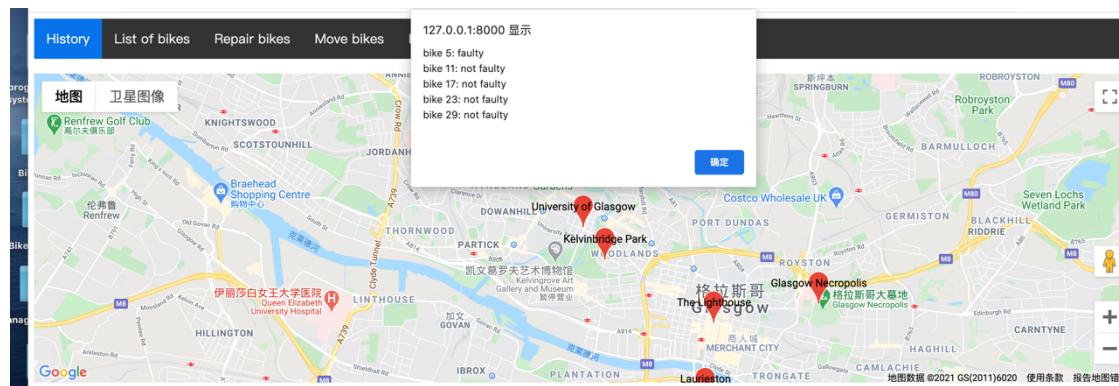
Step1: login with operator name and password



Step2: the history will show all information for the operation

Report id	Bike id	Time
1	3	2021-02-14 10:44:31.994131+00:00
5	3	2021-02-14 10:45:56.273448+00:00
8	3	2021-03-03 03:35:23.339383+00:00

Step3: List of bike table will show which bike was faulty



Step4: If some bikes already fixed, the operator can change its' station

Bike_id	Defective Parts	Fix
4	Tyre	<input type="button" value="Fix"/>
5	Wheel	<input type="button" value="Fix"/>
6	roller_chain	<input type="button" value="Fix"/>

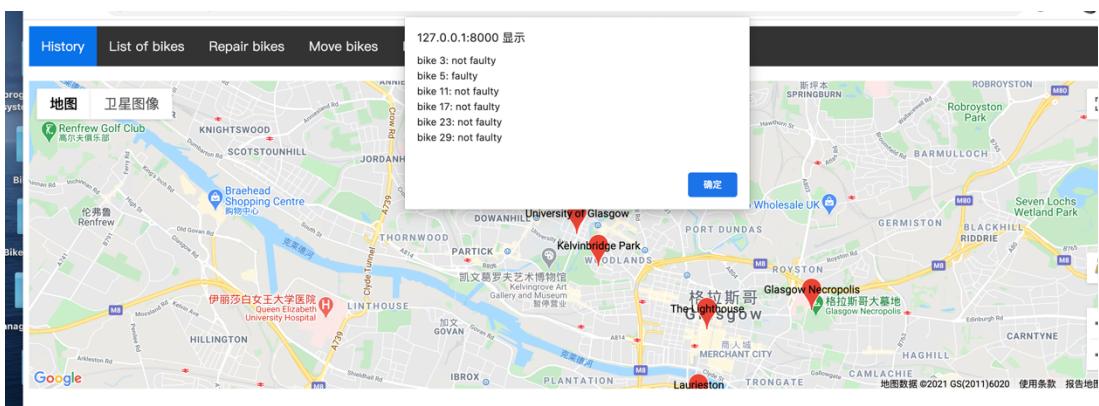
Step5: If the operator want to move the bike, they can choose the location where they to change and input the bike id

Move a Bike

Bike id: 3 Choose a station

University of Glasgow
Kelvinbridge Park
Possilpark
Glasgow Necropolis
Laurieston
The Lighthouse

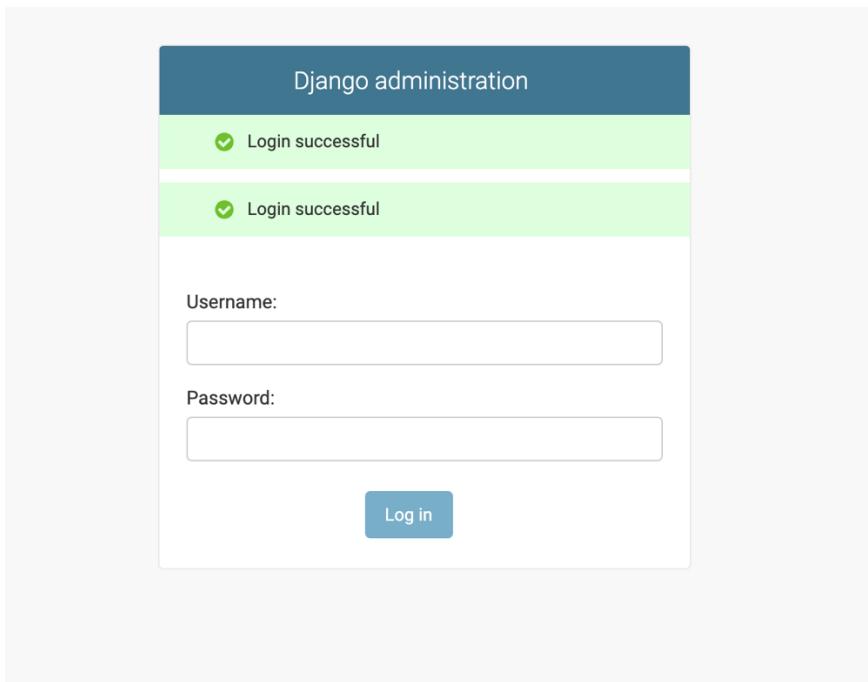
Step6: The bike was moved successfully



Manager:

Step1: the first way the manager can login to the admin platform

<http://127.0.0.1:8000/admin/>, input user name manger password manager



Step2: the manager can use admin to control the authority and give the roles to different accounts

A screenshot of the Django administration "Group" creation page. The URL is "127.0.0.1:8000/admin/auth/group/add/". The left sidebar shows "Groups", "Users", and "OPERATOR" (which is selected). Under "OPERATOR", there are "Bikes" and "Stations". The right sidebar shows "USER" and "Orders". The main area is titled "Permissions:" and contains two sections: "Available permissions" and "Chosen permissions". The "Available permissions" section lists numerous Django permission names like "Operator | bike | Can add bike" and "User | account | Can add account". The "Chosen permissions" section is currently empty. At the bottom, there are buttons for "Choose all" and "Remove all".

Select user to change

ADD USER +

FILTER

By staff status

All Yes No

By superuser status

All Yes No

Step3: The manager can control the users' order

Due amount: 0.44

Is complete: Yes

Bike: Bike object (3)

End station: Possilpark

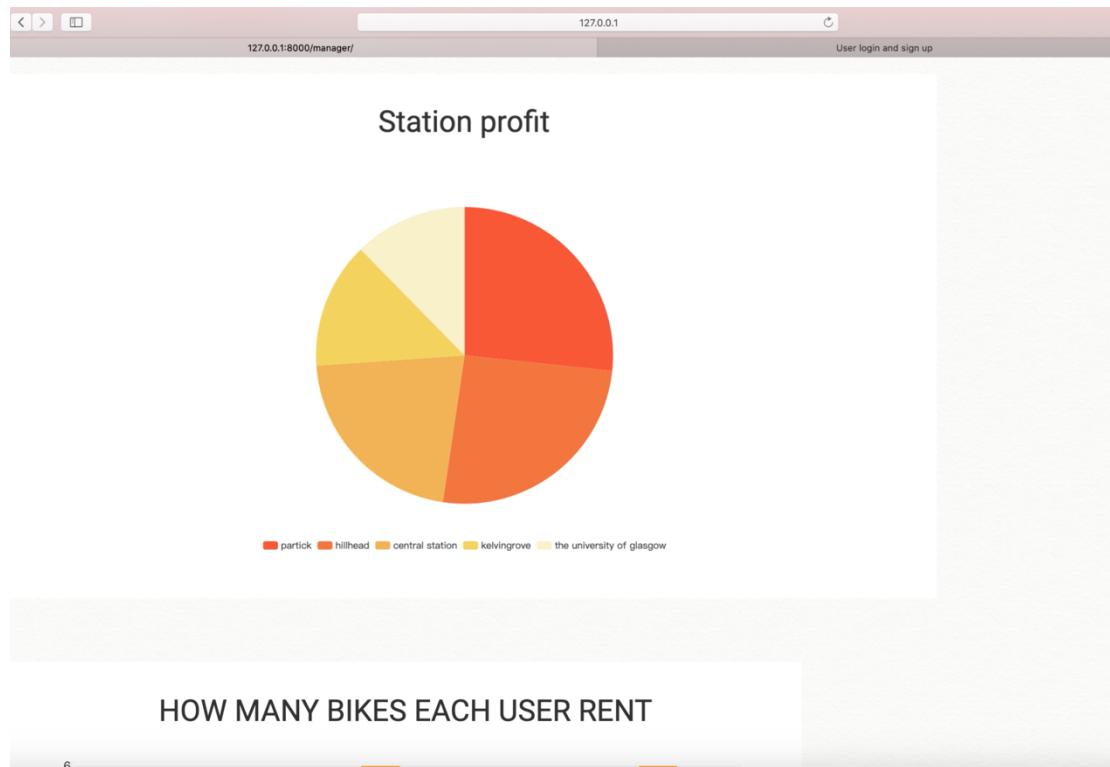
Start station: Kelvinbridge Park

User: Gangxing

Step4: The manager can also control all rules in operator like move bikes

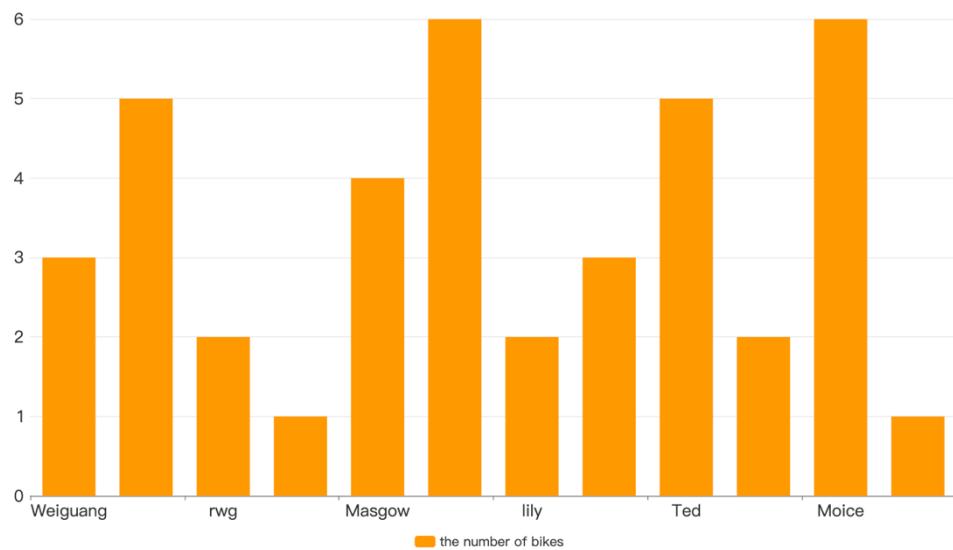
Step5: The manager can also login with the manager account to see the chart analysis.

Step6: the first chart is the station profit



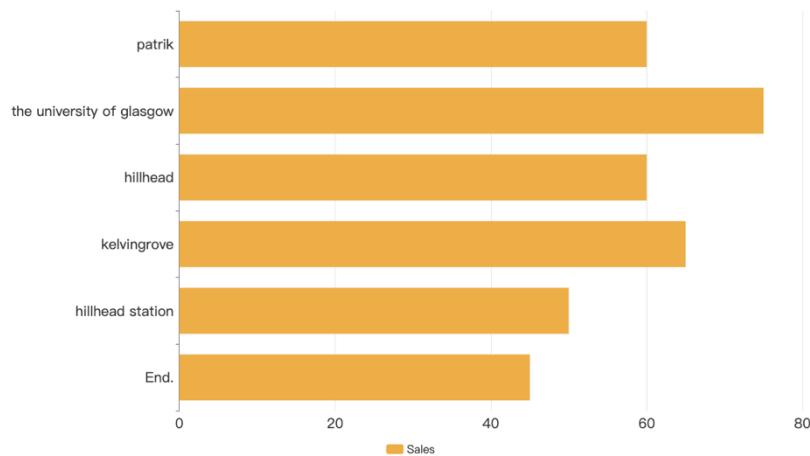
Step7: the second chart

HOW MANY BIKES EACH USER RENT



Step8: the third chart

Bike already used in differ area



Step9: the final chart:

Route Frequency Distribution

