

User Manual

EasyRide

Date: 02/03/2021

Lab 02 Group 2C

University of Glasgow

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1.0 Platform Access

| | |
|----------------------------|----------------------------------------------------------|
| Domain Name | www.easyride.live |
| Hosted Platform | Heroku |
| Heroku app deployed domain | easyridelab02.herokuapp.com |

Login Information

For User operations:

Register as a new user

For Operator operations:

Email: o1@easyride.live

Password: 12345666

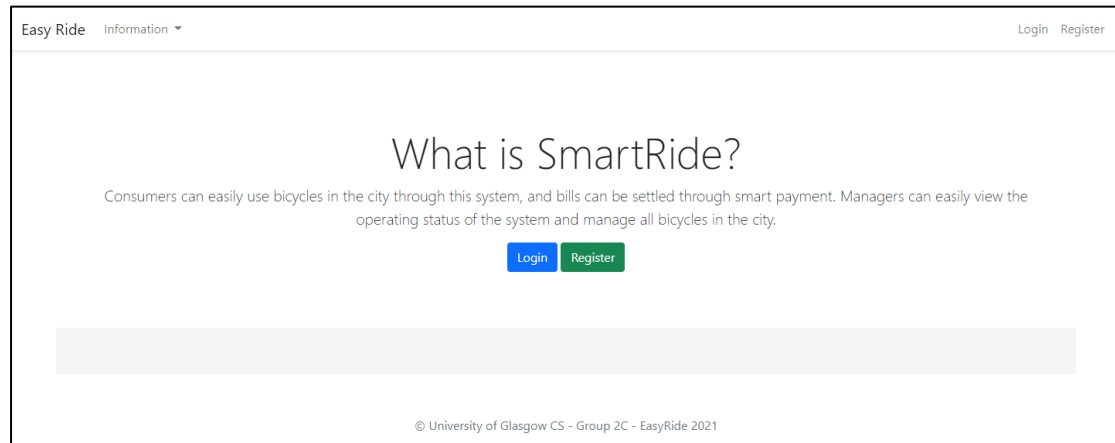
Can also add new operator from the manager dashboard

For Manager operations:

Email: manager@easyride.live

Password: 12345666

2.0 Interface before login



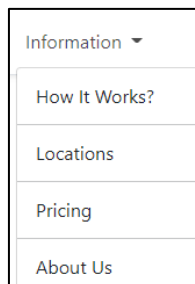
When the online hosted app at www.easyride.live , you will see the above interface.

The page is divided into three parts: **Navbar, content, footer.**

Note: *Manager, operator, and user share a common interface for login, in the website.*

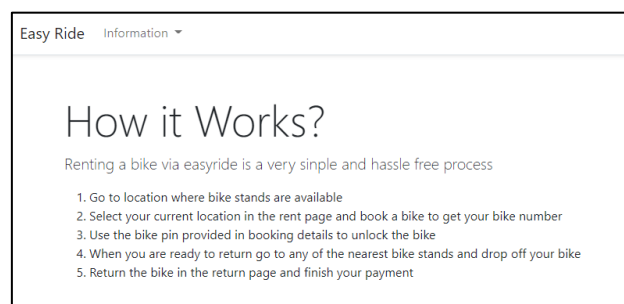
2.1 Navbar

The navigation bar contains an introduction to app, usage price, development team, and geographic scope of service provision.



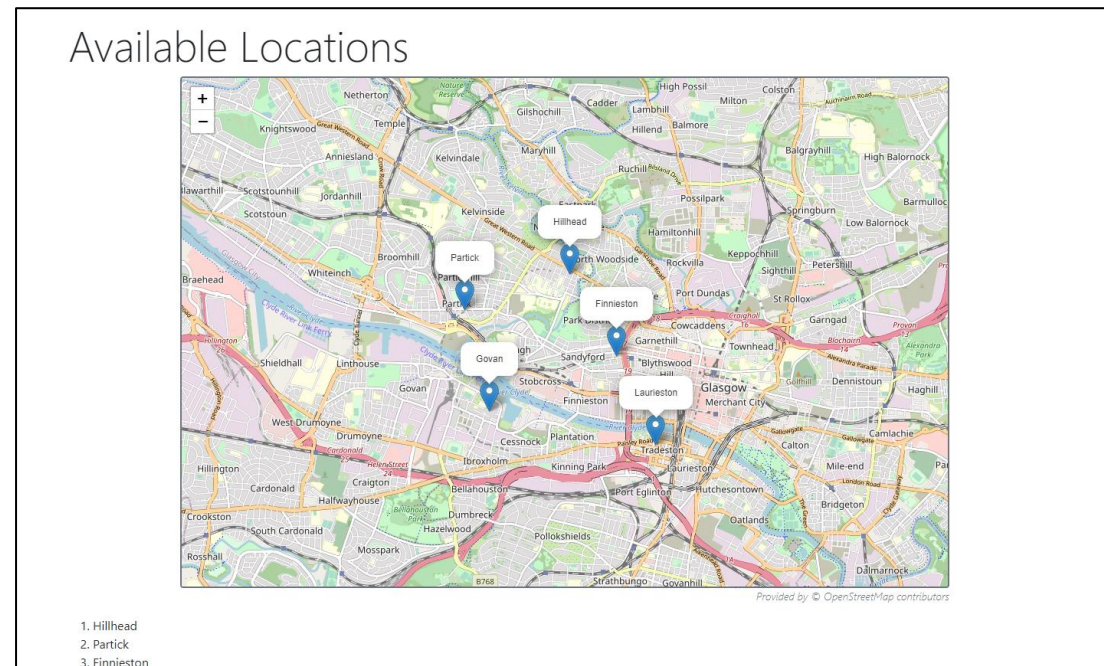
There is an '**Information**' drop-down menu. It contains four parts of the content.

How It Works?



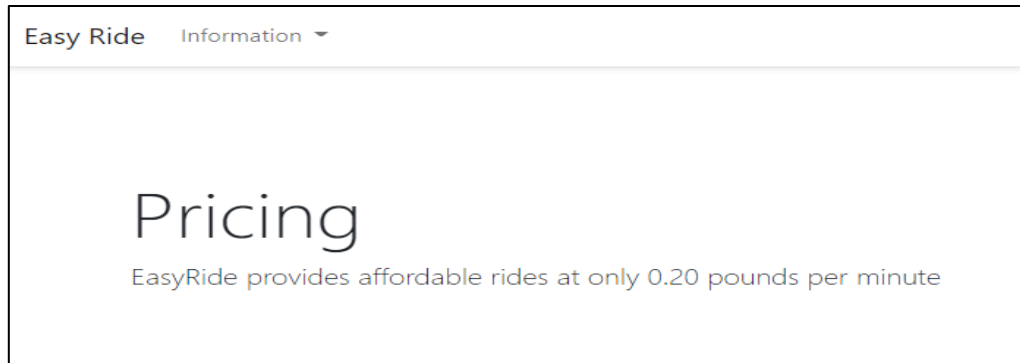
Available Locations

This map view shows the locations of all available bicycles.



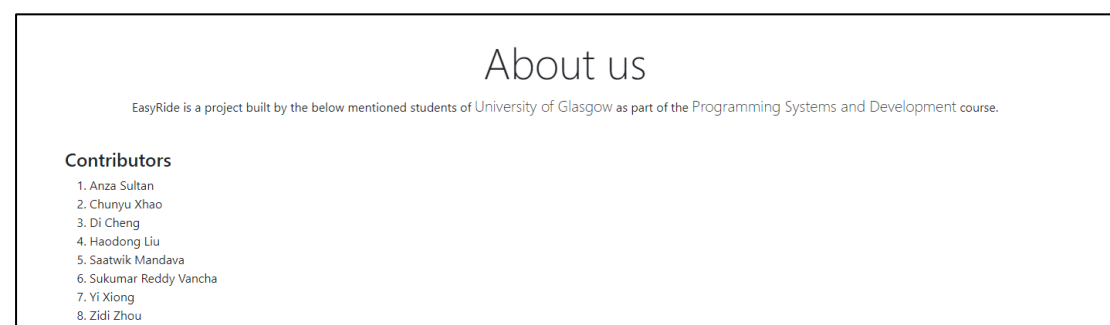
Pricing

Billing information




About us

The **About us** interface introduces the members of the development team



Login

The login interface can be used to log into three different user roles.



Email

Password

[Log In](#)

Register

The registration page can be only used to register a normal user

Easy Ride Information ▼ [Login](#) [Register](#)

First Name Last Name

Phone Number

Email

Password Confirm Password

City

[Register](#)

2.2 Content

Just a simple page contains the login and register button.

What is SmartRide?

Consumers can easily use bicycles in the city through this system, and bills can be settled through smart payment. Managers can easily view the operating status of the system and manage all bicycles in the city.

[Login](#) [Register](#)

2.3 Footer

The footer will be displayed at the bottom of every user related pages.

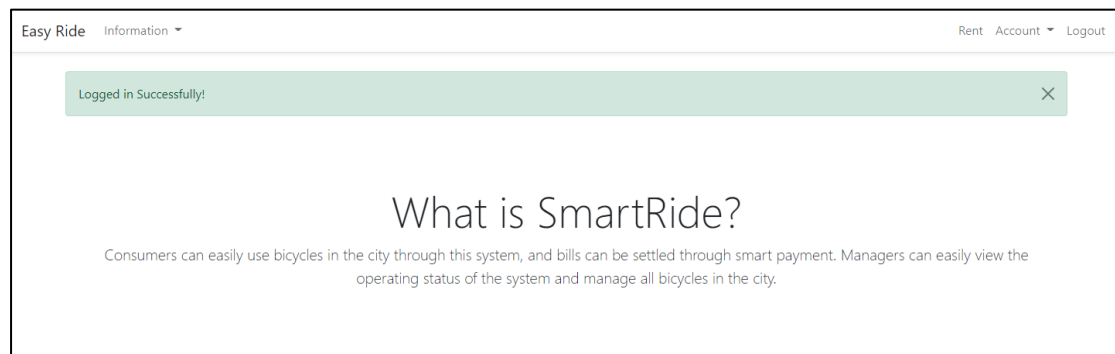
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3.0 Functions after login

Before login, because the system has three user roles, users of different roles share the same login interface, but different interfaces will be displayed after login.

3.1 User

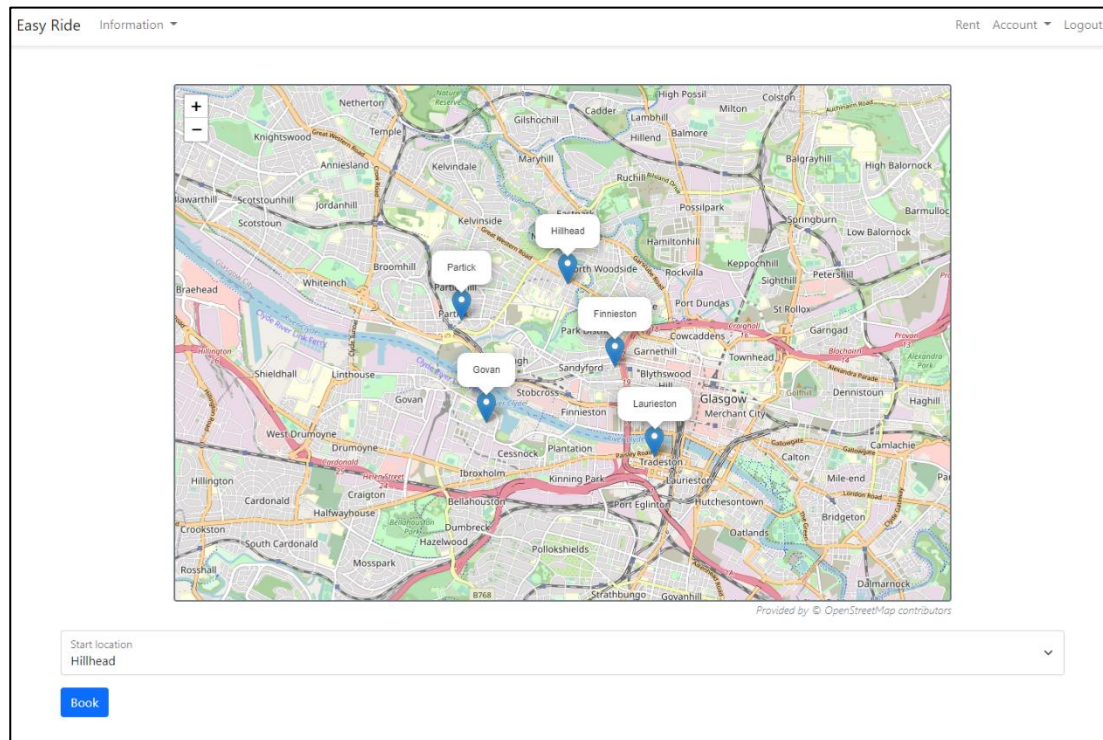
After login as a normal user, it will redirect you to the index page. And it will display a successful login bubble at the top of the page.



On the top right of the navbar, there are three areas.

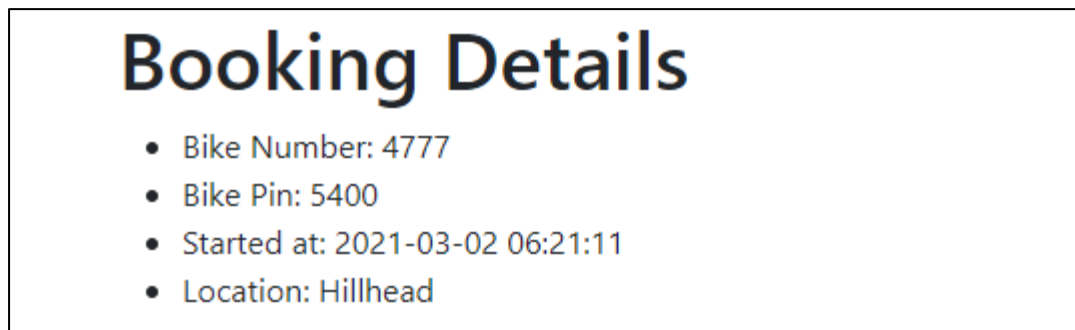
- **Rent:** Here you can rent a bike.
- **Account:** This contains
 - **My Profile:** Your account details
 - **Wallet:** Your account wallet balance and top-up history.
 - **Ride History:** Your ride history.
 - **Reviews:** Your reviews for every single ride.
 - **Report Bike:** You can report bikes here.
- **Logout:** Click logout you can log out safely.

3.1.1 Rent



In the **Rent** interface, you can select any available location and click the Book button.

Here use Hillhead as an example.



You can see an unordered list. It provides

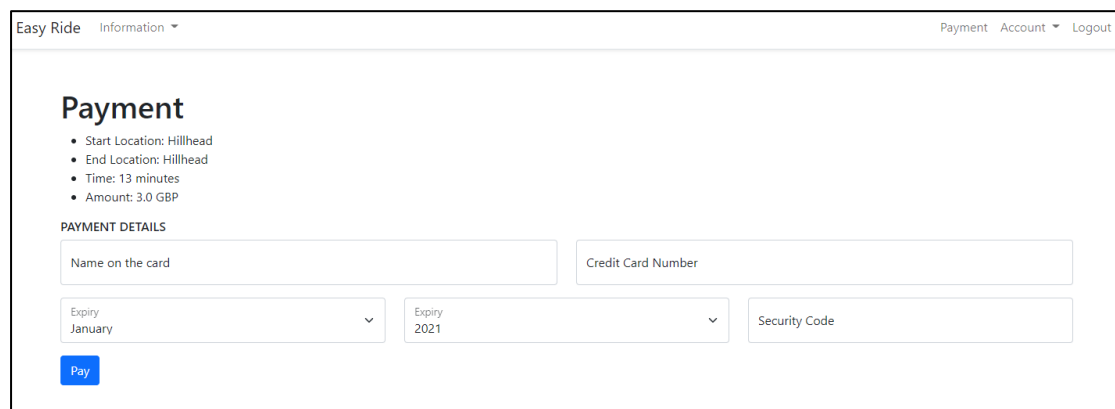
- **Bike Number:** the bike number allocated to you, available at the location.
- **Bik Pin:** the pin to unlock the bike.
- **Started at:** The date and time of rent started.
- **Location:** Start location of rent.

After renting a bike the rent option will no longer be available in the Navbar, instead replaced by booking and return options.

3.1.2 Return



Here you can choose a location to return the bike. You can pay this order with your wallet balance if available or directly pay with Credit Card. Of course, you can give a rating for this order and leave some comments. Click the **End ride** button, this ride will be over.




After returning the bike if you choose to pay with wallet and enough balance is available it will be deducted directly or if choose to pay with credit card, you will be taken to the payment page.

3.1.3 My Account

My Profile

You can easily check and update your account details from your profile page. To update change the text in the textbox and click the **Update Details** button.

| | |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Profile | <div>Haodong Liu</div>  <div> <div>First Name Haodong</div> <div>Last Name Liu</div> <div>Phone Number 2147483647</div> <div>Email vikas@igres.net</div> <div>City Glasgow</div> <div>Update Details</div> </div> |
| Wallet | |
| Ride History | |
| Reviews | |
| Report Bike | |

Wallet

You can check the balance of your wallet here along with the Top-up history.

| Profile | <div> <div>Wallet</div> <div>• Balance: 998903.0</div> <div>Add balance</div> <div>Top Up History</div> <table border="1"> <thead> <tr> <th>Date</th> <th>Amount</th> </tr> </thead> <tbody> <tr> <td>24-02-2021</td> <td>999999.0 GBP</td> </tr> </tbody> </table> </div> | Date | Amount | 24-02-2021 | 999999.0 GBP |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------|------------|--------------|
| Date | | Amount | | | |
| 24-02-2021 | | 999999.0 GBP | | | |
| Wallet | | | | | |
| Ride History | | | | | |
| Reviews | | | | | |
| Report Bike | | | | | |

You can also top-up your account here by clicking **Add balance** button.

| | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| <h2>Add Wallet Balance</h2> <p>Current Balance: 998903.0</p> <div> <div>Amount to add</div> <div>.00</div> <div>£</div> </div> | | |
| <p>PAYMENT DETAILS</p> <div> <div>Name on the card</div> <div>Credit Card Number</div> <div> <div>Month January</div> <div>Year 2021</div> <div>Security Code</div> </div> <div>Pay</div> </div> | | |

Ride History

You can view all your ride history here.

Profile

Wallet

Ride History

Reviews

Report Bike

Ride History

| Date | Bike Number | Start Location | End Location | Time Taken | Amount | Paid with |
|------------|-------------|----------------|--------------|----------------|-----------|-----------|
| 02-03-2021 | 4777 | Hillhead | Hillhead | 11.0 minutes | 3.0 GBP | Card |
| 28-02-2021 | 1555 | Finniaston | Hillhead | 4841.0 minutes | 969.0 GBP | Wallet |
| 25-02-2021 | 1555 | Finniaston | Finniaston | 1.0 minutes | 1.0 GBP | Card |
| 25-02-2021 | 1999 | Finniaston | Finniaston | 16.0 minutes | 4.0 GBP | Wallet |
| 25-02-2021 | 3444 | Hillhead | Hillhead | 1.0 minutes | 1.0 GBP | Card |
| 25-02-2021 | 2555 | Govan | Laurieston | 21.0 minutes | 5.0 GBP | Wallet |

Reviews

You can check all the reviews of your rides.

| Profile | <div>Reviews</div> <table><thead><tr><th>Date</th><th>Rating</th><th>Review</th></tr></thead><tbody><tr><td>02-03-2021</td><td>5</td><td></td></tr><tr><td>28-02-2021</td><td>5</td><td></td></tr><tr><td>25-02-2021</td><td>3</td><td>add more locations</td></tr><tr><td>25-02-2021</td><td>1</td><td>Bad ride</td></tr><tr><td>25-02-2021</td><td>3</td><td></td></tr><tr><td>25-02-2021</td><td>4</td><td></td></tr></tbody></table> | Date | Rating | Review | 02-03-2021 | 5 | | 28-02-2021 | 5 | | 25-02-2021 | 3 | add more locations | 25-02-2021 | 1 | Bad ride | 25-02-2021 | 3 | | 25-02-2021 | 4 | |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------------|--------|------------|---|--|------------|---|--|------------|---|--------------------|------------|---|----------|------------|---|--|------------|---|--|
| Date | | Rating | Review | | | | | | | | | | | | | | | | | | | |
| 02-03-2021 | | 5 | | | | | | | | | | | | | | | | | | | | |
| 28-02-2021 | | 5 | | | | | | | | | | | | | | | | | | | | |
| 25-02-2021 | | 3 | add more locations | | | | | | | | | | | | | | | | | | | |
| 25-02-2021 | | 1 | Bad ride | | | | | | | | | | | | | | | | | | | |
| 25-02-2021 | | 3 | | | | | | | | | | | | | | | | | | | | |
| 25-02-2021 | 4 | | | | | | | | | | | | | | | | | | | | | |
| Wallet | | | | | | | | | | | | | | | | | | | | | | |
| Ride History | | | | | | | | | | | | | | | | | | | | | | |
| Reviews | | | | | | | | | | | | | | | | | | | | | | |
| Report Bike | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |

Report Bike

You can report a defective bike here. Provide details of the bike number, appropriate level of priority based on its usability and a small description of the problem.

| | | | |
|--------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| Profile | <h3>Report a defective bike</h3> <div><input type="text" value="Bike Number"/></div> <div><input type="text" value="Description"/></div> <div><input type="button" value="Submit"/></div> | | |
| Wallet | | | |
| Ride History | | | |
| Reviews | | | |
| Report Bike | | | |

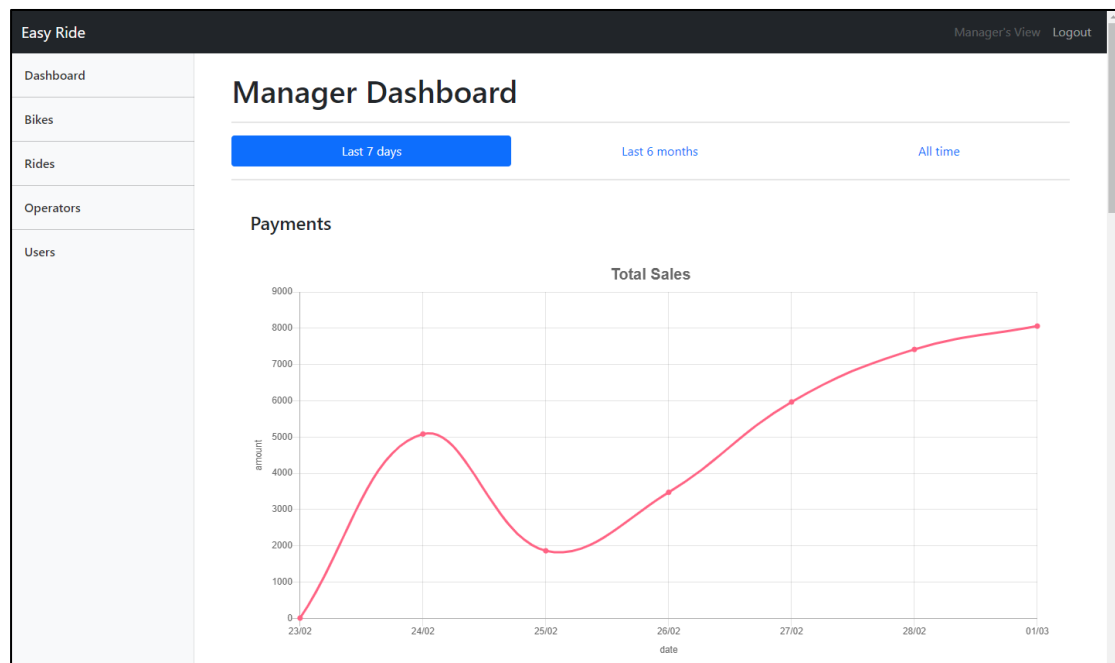
Level of priority

Low

▼

3.2 Manager

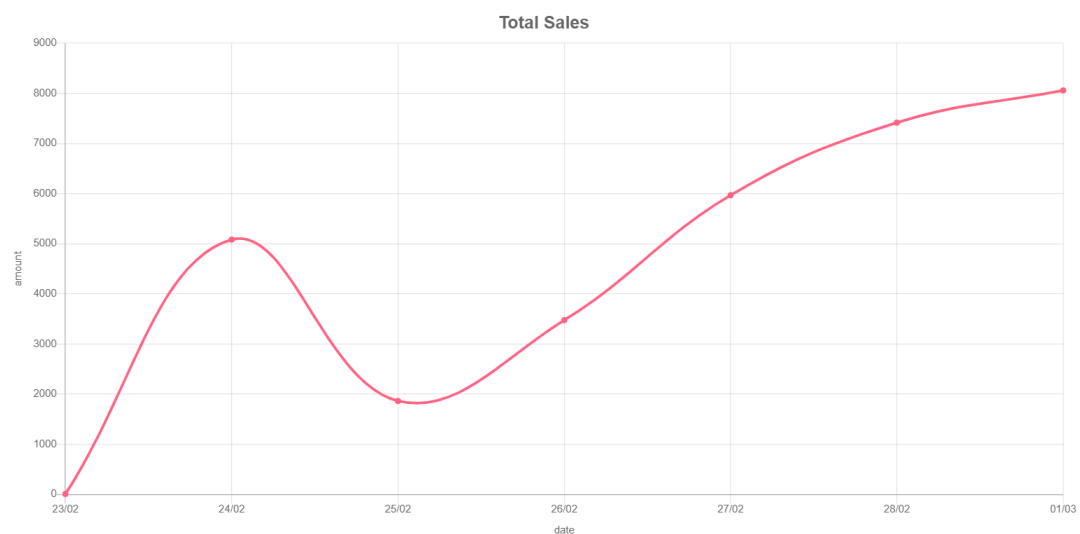
When you log in with a manager account details it will automatically direct to manager dashboard.



You can also filter most of the charts based on time periods of last 7 days, last 6 months and all time.

Available Charts:

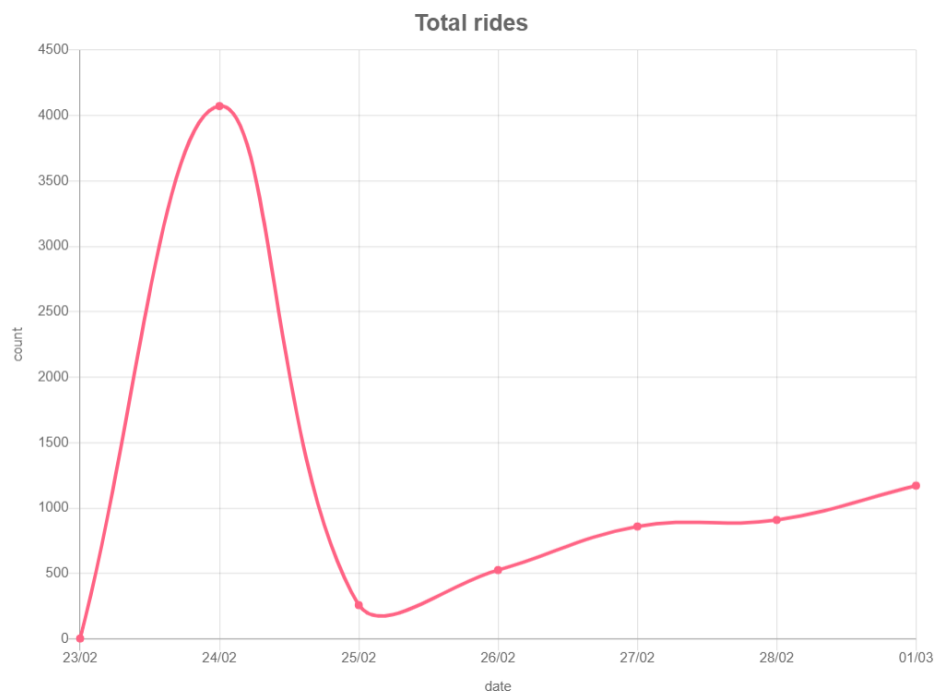
Total Sales over time



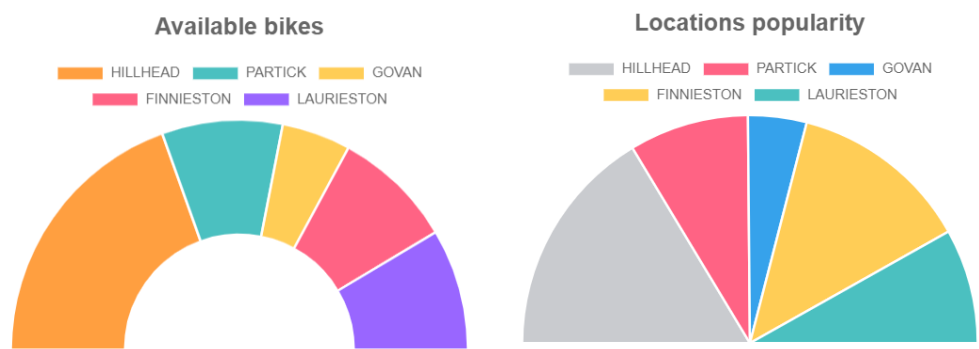
Comparison on Number of times and Amount paid by using wallet and card



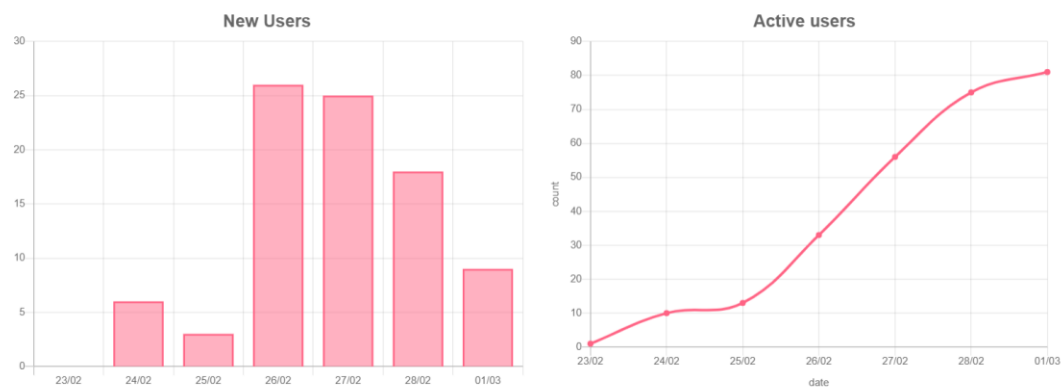
Total number of rides



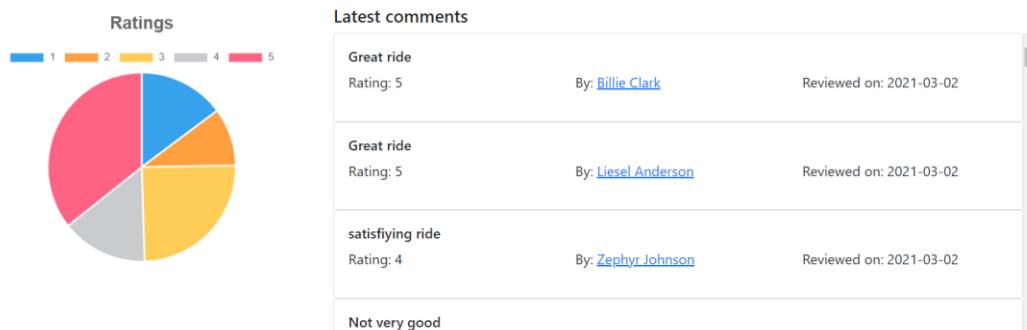
Available bikes at the locations and popularity of the locations based on rides



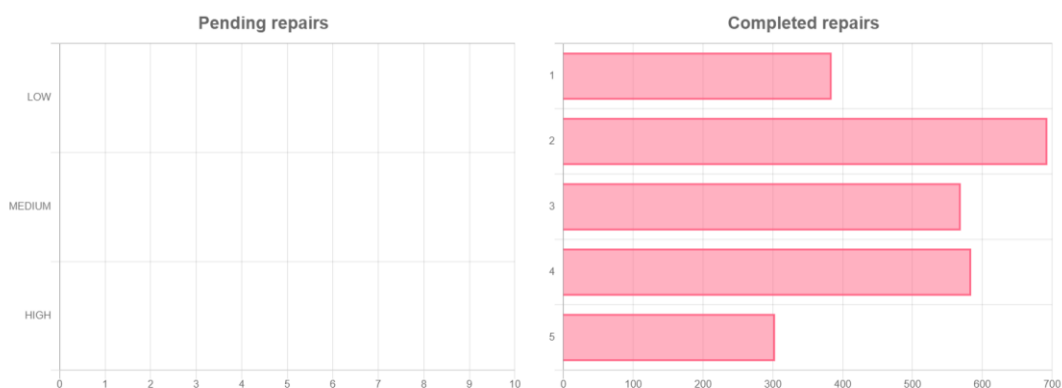
New user registrations and the number of active users



Ratings along with latest 50 comments



Pending repairs and completed repairs



On the left side, there are 5 different buttons.

- **Dashboard:** All different charts for analytics
- **Bikes:** The manager can view all the bikes here.
- **Rides:** The manager can view all ride logs.
- **Operators:** The manager can view all operators and add an operator.
- **Users:** The manager can view all users.

3.2.1 Bikes

The manager can view all bikes and the status of every single bike. This list can be filtered based on the location or/and status.

Bikes

Location ▾

Status ▾

All
Hillhead
Partick
Finnieston
Govan
Laurieston

Bikes

Location ▾

Status ▾

Bike Number
[1111](#)
[1222](#)
[1333](#)
[1444](#)

All
Free
On-going
Repair
Disabled

Bikes

Location ▾

Status ▾

| Bike Number | Current PIN | Last Location | Status |
|----------------------|-------------|---------------|--------|
| 1111 | 1865 | Finnieston | No |
| 1222 | 3466 | Hillhead | No |
| 1333 | 1601 | Laurieston | No |
| 1444 | 3980 | Hillhead | No |
| 1555 | 3579 | Govan | No |
| 1666 | 7340 | Partick | No |
| 1777 | 4318 | Finnieston | No |
| 1888 | 3740 | Govan | Repair |
| 1999 | 8894 | Laurieston | No |
| 1000 | 2851 | Laurieston | Repair |
| 2111 | 9922 | Govan | No |
| 2222 | 1504 | Hillhead | No |
| 2333 | 4075 | Hillhead | Repair |
| 2444 | 3371 | Partick | Yes |
| 2555 | 6946 | Partick | No |
| 2666 | 1328 | Finnieston | No |
| 2777 | 7989 | Partick | No |
| 2888 | 3724 | Laurieston | No |
| 2999 | 3558 | Laurieston | No |
| 2000 | 5260 | Hillhead | No |

1 2 3

On the left side, each bike number is a link. Click it to view the details of the bike and its current location.

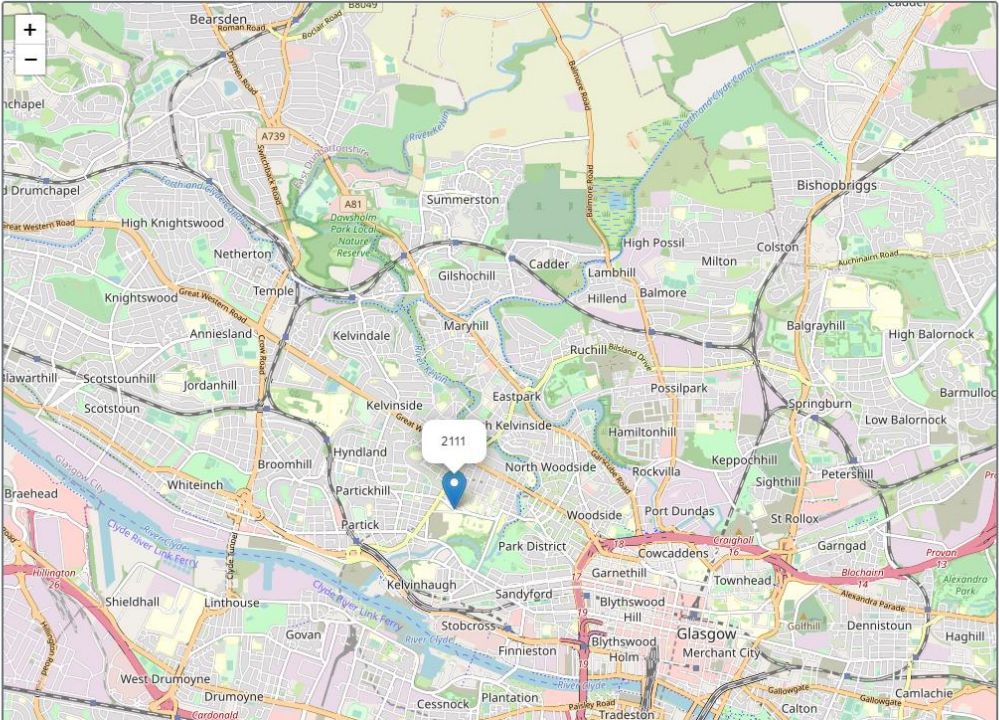
Bike number: 2111

Bike information

• Bike pin: 9922

• Status: NO

• Last Location: Govan



3.2.2 Rides

There are 3 different filters for rides.

On-going: The order is going.

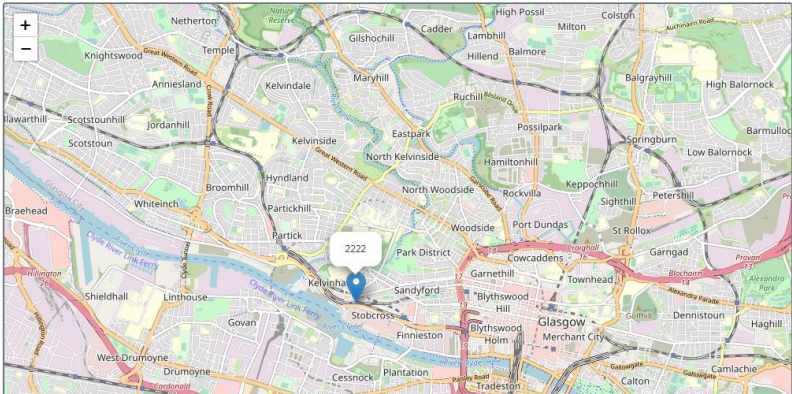
| Rides | | | | | | |
|------------|------------|----------------------|----------------|-----------------------------------|-----------------------|--|
| On-going | | | Past | Payment pending | | |
| Date | Start time | Bike Number | Start Location | User | GPS | |
| 25-02-2021 | 07:32 AM | 2222 | Hillhead | Gha Af | Track | |
| 25-02-2021 | 07:45 AM | 1222 | Hillhead | Ghaa Az | Track | |
| 01-03-2021 | 06:05 PM | 3555 | Hillhead | Di Cheng | Track | |
| 02-03-2021 | 07:31 AM | 1444 | Hillhead | Adora Ramirez | Track | |
| 02-03-2021 | 07:34 AM | 1666 | Partick | Emrys Garcia | Track | |
| 02-03-2021 | 07:35 AM | 1777 | Finnieston | Adora Clark | Track | |
| 02-03-2021 | 07:37 AM | 1555 | Govan | Lysander Robinson | Track | |
| 02-03-2021 | 07:39 AM | 2111 | Govan | Ansel Miller | Track | |

When the order is going, the manager can track the bike's location on a map by GPS.

Bike number: 2222

Bike information

- Bike pin: 1504
- Status: NO
- Last Location: Hillhead



Past: The ride is over.

| Rides | | | | | | |
|------------|------------|----------------------|----------------|---------------------------------|-----------------|------------|
| On-going | | Past | | | Payment pending | |
| Date | Start time | Bike Number | Start Location | User | End Location | Time Taken |
| 02-03-2021 | 07:54 AM | 3111 | Hillhead | Aa Aa | Hillhead | 7 minutes |
| 02-03-2021 | 07:42 AM | 4555 | Partick | Acacia Martinez | Govan | 5 minutes |
| 02-03-2021 | 07:42 AM | 3333 | Partick | Ash Hernandez | Finnieston | 12 minutes |
| 02-03-2021 | 07:39 AM | 2444 | Finnieston | Eamon Taylor | Finnieston | 22 minutes |
| 02-03-2021 | 07:35 AM | 1999 | Partick | Zephyr Johnson | Laurieston | 17 minutes |

Payment pending: The order hasn't been paid.

| Rides | | | | | | | |
|------------|------------|----------------------|----------------|-----------------------------|-----------------|------------|---------|
| On-going | | Past | | | Payment pending | | |
| Date | Start time | Bike Number | Start Location | User | End Location | Time Taken | Amount |
| 01-03-2021 | 01:31 PM | 1333 | Hillhead | Spencer Woo | Hillhead | 1 minutes | 1.0 GBP |
| 01-03-2021 | 07:59 PM | 4222 | Partick | Xiong Yi | Partick | 1 minutes | 1.0 GBP |

1

For every table, the manager can view the user and bike information by clicking on the number/name which are hyperlinked to their details page.

3.2.3 Operators

The manager can view and add new operators.

Add Operators

City
GLASGOW

Operators

| Name | Phone Number | Email | City |
|-----------------|--------------|------------------|------------------|
| Sathwik Mandava | None | o1@easyride.live | None |
| John Doe | 2147483647 | o2@easyride.live | CityName:GLASGOW |

1

3.2.4 Users

The manager can view all users and their details. But the manger cannot change the user status, user information or user wallet balance.

| Name | Phone Number | Email | City | Wallet Balance |
|-------------------------------------|--------------|-------------------------------|---------|----------------|
| S S | 1212121212 | s@s.com | Glasgow | 26.0 |
| One One | 1 | 1@1.com | Glasgow | 24.0 |
| Gha Af | 123123123 | asdasdasd@gmail.com | Glasgow | 37.0 |
| Ghaa Az | 123123 | abcdefg@gmail.com | Glasgow | 14.0 |
| Shravanth Paturi | 2121212 | shravanth.official@gmail.com | Glasgow | 2.0 |
| Emrys Garcia | 2147483647 | emrysgarcia@dummy.test | Glasgow | 51.0 |
| Finnick Brown | 2147483647 | finnickbrown@dummy.test | Glasgow | 23.0 |
| Zephyr Garcia | 2147483647 | zephyrgarcia95@dummy.test | Glasgow | 2.0 |
| Andromeda Rodriguez | 2147483647 | andromedarodriguez@dummy.test | Glasgow | 22.0 |
| Haodong Liu | 2147483647 | vikas@igres.net | Glasgow | 998903.0 |

Click a user and it will direct to that user details page with the following info.

Ride history.

Finnick Brown**User information**

- Phone Number: 2147483647
- Email ID: finnickbrown@dummy.test
- City: Glasgow
- Wallet balance: 23.0

Ride History

| Date | Bike Number | Start Location | End Location | Time Taken | Amount | Paid with |
|------------|-------------|----------------|--------------|--------------|---------|-----------|
| 02-03-2021 | 5888 | Finnieston | Hillhead | 21.0 minutes | 5.0 GBP | Wallet |
| 02-03-2021 | 4666 | Laurieston | Hillhead | 36.0 minutes | 8.0 GBP | Card |
| 02-03-2021 | 3333 | Hillhead | Hillhead | 36.0 minutes | 8.0 GBP | Card |

Wallet Top-up history.**Wallet Top-up History**

| Date | Amount |
|------------|----------|
| 01-03-2021 | 51.0 GBP |
| 28-02-2021 | 33.0 GBP |
| 27-02-2021 | 9.0 GBP |
| 27-02-2021 | 37.0 GBP |
| 27-02-2021 | 8.0 GBP |

Reviews.**Reviews**

| Date | Rating | Review |
|------------|--------|---------------------|
| 02-03-2021 | 1 | dissappointing ride |
| 02-03-2021 | 4 | |
| 02-03-2021 | 3 | |

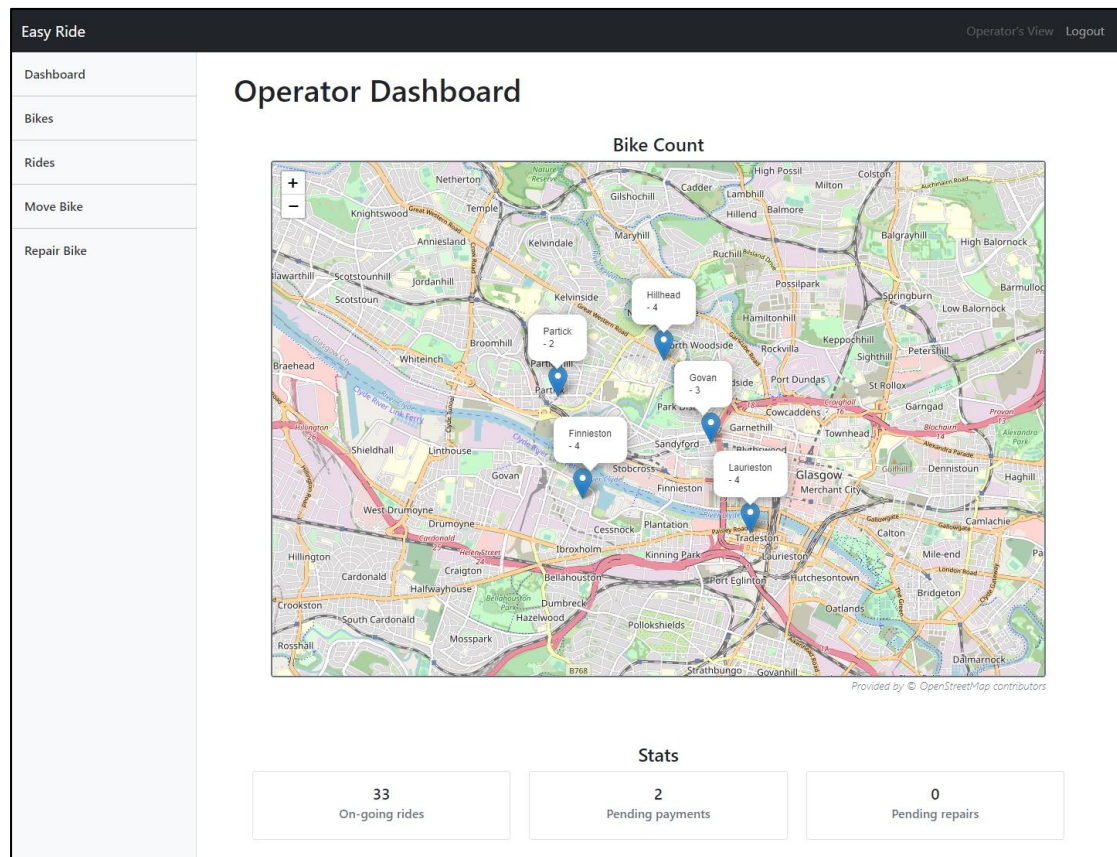
Reports.**Reports**

| Date | Bike Number | Description | Urgency | Repaired |
|------------|-------------|------------------|---------|----------|
| 02-03-2021 | 5999 | Frame bent | HIGH | YES |
| 02-03-2021 | 5666 | Frame bent a bit | MEDIUM | YES |
| 01-03-2021 | 3888 | Frame bent a bit | MEDIUM | YES |

Note: While operator can also visit this user information page, it is only limited to the user's ride history and Reports to hide sensitive information.

3.3 Operator

The operator can check all bike status and update bike's location or repair bikes.



3.3.1 Move Bikes

The operator can move bikes by typing the Bike number and a new location then Click the Change Location to submit. After that system will update the bike's location in the database.

Move Bike

Bike Number

Moved location

HILLHEAD

Change Location

3.3.2 Repair Bikes

The operator can repair bikes. After repairing the operator can select the level of repair to be done and leave a comment for this repairing log.

Repair Bike

Level of repair

0

▼

Complete Repair

Repairs

| Date | Bike Number | Urgency | Description | User |
|------------|-------------|---------|------------------|---------------------------------|
| 02-03-2021 | 5777 | LOW | Paint lost | Evander Ramirez |
| 02-03-2021 | 5444 | MEDIUM | Frame bent a bit | Artemis Johnson |

Operator also has access to the bikes and rides pages same as manager.