ODFDS: User's Guide

ODFDS: (Santa Clara) official website:
http://ec2-52-53-152-9.us-west-1.compute.amazonaws.com:3000/

How to install our program on your PC

For installing part, if you are testing on a virtual machine (Ubuntu), you can type the commands provided, if not, you can download tools at:
Node.js https://nodejs.org/en/download/
MySQL: https://www.mysql.com/downloads/

1. Install Node.js (v10.14.0) and npm (node package manager, v6.4.1).
   - curl -sL https://deb.nodesource.com/setup_10.x | sudo -E bash -
     sudo apt-get install -y nodejs (Ubuntu)
   - https://nodejs.org/en/download/ (Others)

2. Install MySQL
   - $ sudo apt-get install mysql-server (Ubuntu)
   - https://www.mysql.com/downloads/ (Others)

3. Download project files including dataset/sql files to run.
   a. Download the project files including the package.json file.
   b. Install all the dependencies for the app (this one will install all the packages for the app). Run the command inside the ODFDS folder.
      $npm install

4. Populate the database with data in MySQL
   1. Connect to the mysql server.
      $ mysql -u root -p
      Password: whatever you typed when installing the server
   2. Create user.
      > grant all privileges on *.* to 'g3'@'localhost' identified by 'cs160G3!';
   3. Make sure to change the path to the data files in the sql file to your path to use the data files.
   4. Log in as a user or root enabling load data local infile
      $ mysql --local-infile -u root -p
   5. Run the sql file to populate the database with data. (the sql file needs to be in the current working directory when you log in to MySQL).
      > source [fileName]

5. Run the application with debugging.
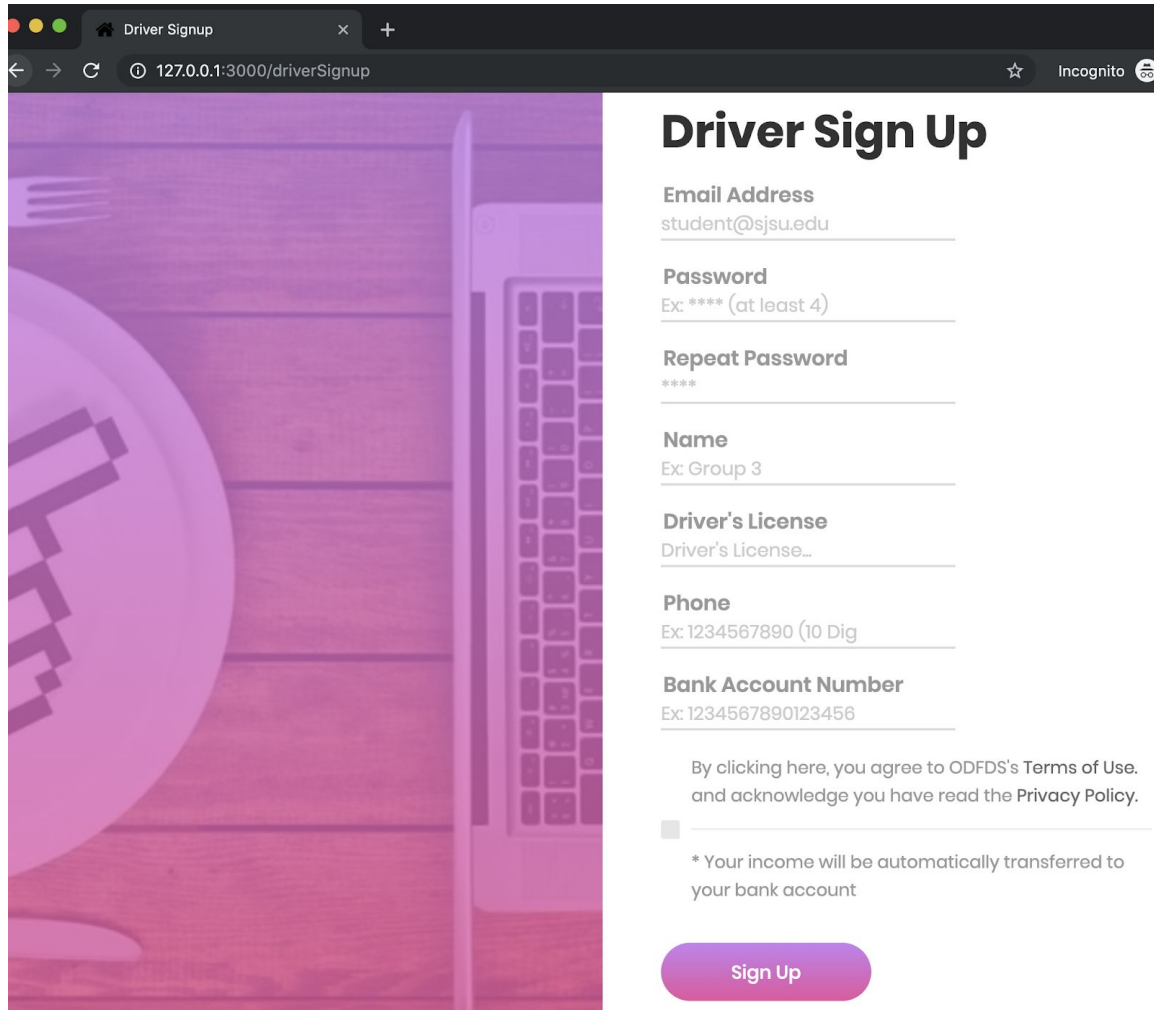 $DEBUG=ODFDS:* npm run devstart

Usage

1. Main page (Log-in page)

If you already have an account, enter your email and password to login, if not, you can click the link below the login button to create an account either as a driver or a restaurant user.
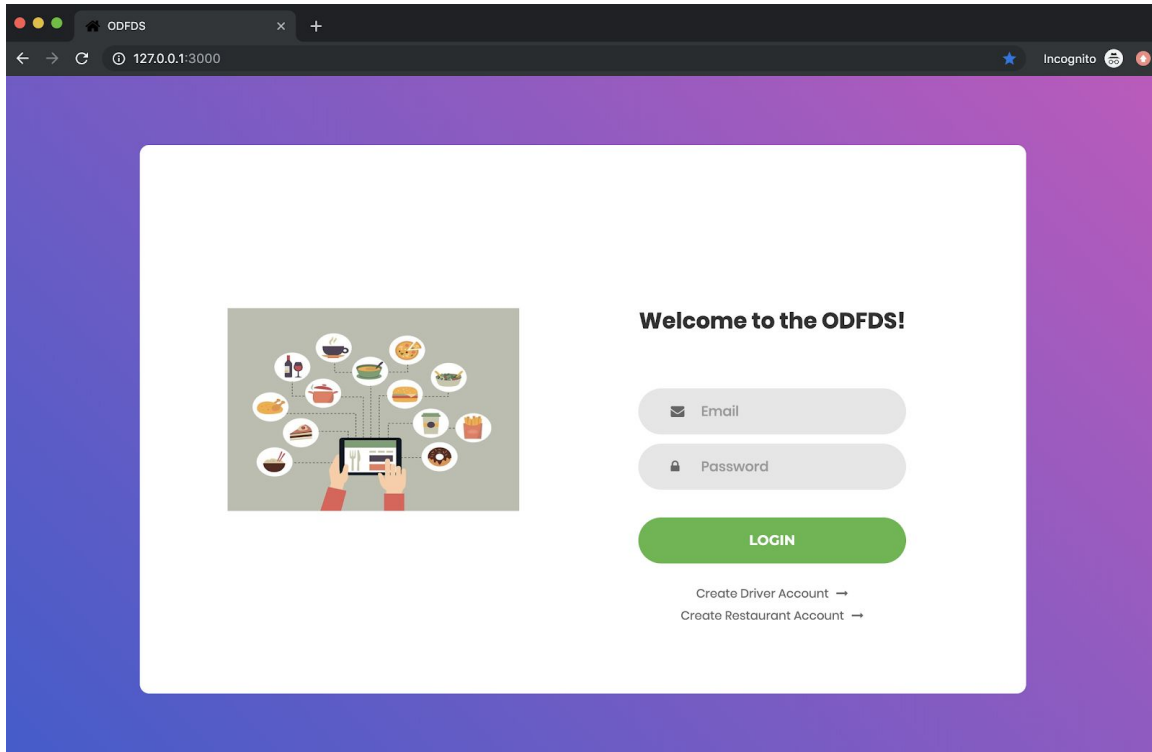
2. Sign up page

If you want to sign up as a driver, click "Create Driver Account" on the main page. Enter all required information and click "Sign Up." Your inputs will be validated and it will show an error message if invalid.
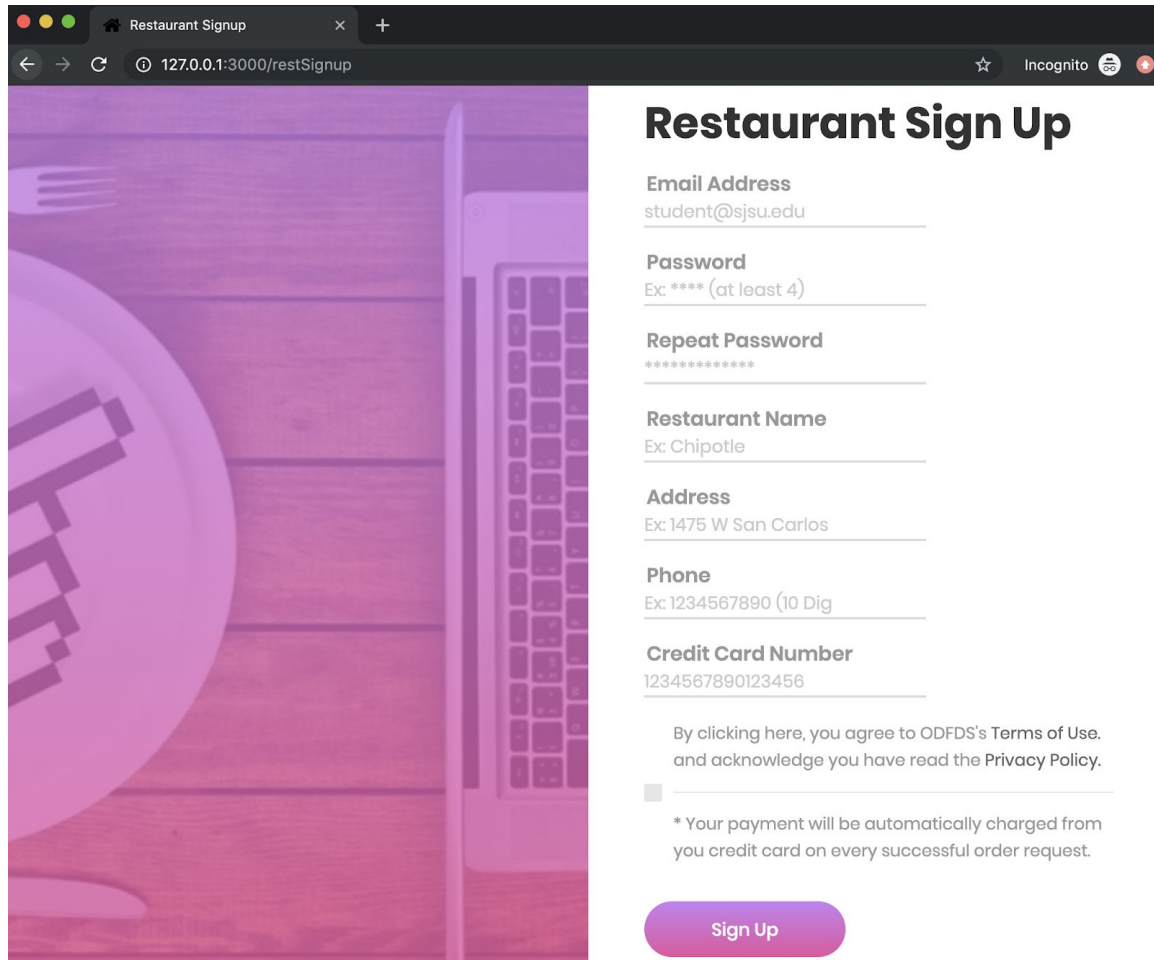
If you want to create a restaurant account, click "Create Restaurant Account" on the main page. Enter all required information and click "Sign Up." Your inputs will be validated and it will show an error message if invalid.

3. Driver's dashboard

When you log in as a driver, you will see your main page that shows your name and driver ID with 4 buttons (Receive Order, Order Info, History, and Log Out) that link to different pages.
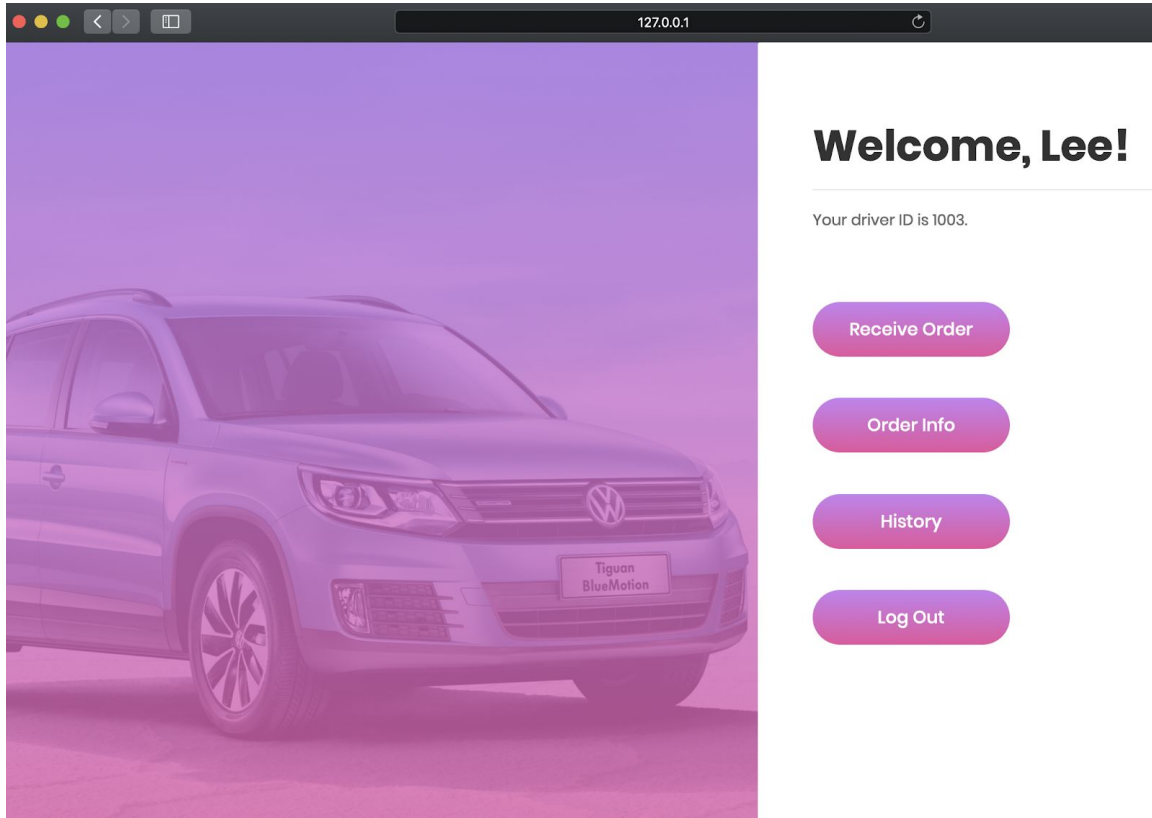
4. Driver: Receive Order Page

You can start to receive orders here. When you check the ON button, you will start receiving requests from restaurant users on real-time if you are the nearest driver. If you turn off the notification, you won't receive any orders.
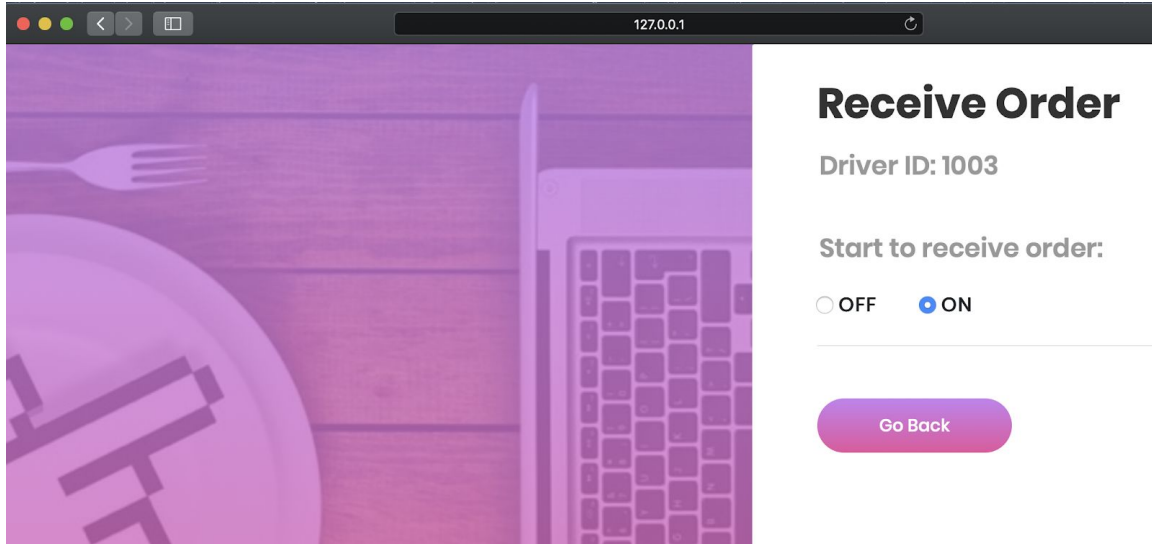
Every time you receives a request, the order information will be shown as below. 'Accept' button will be also created when you get your first order. Choose an order and click 'Accept.'
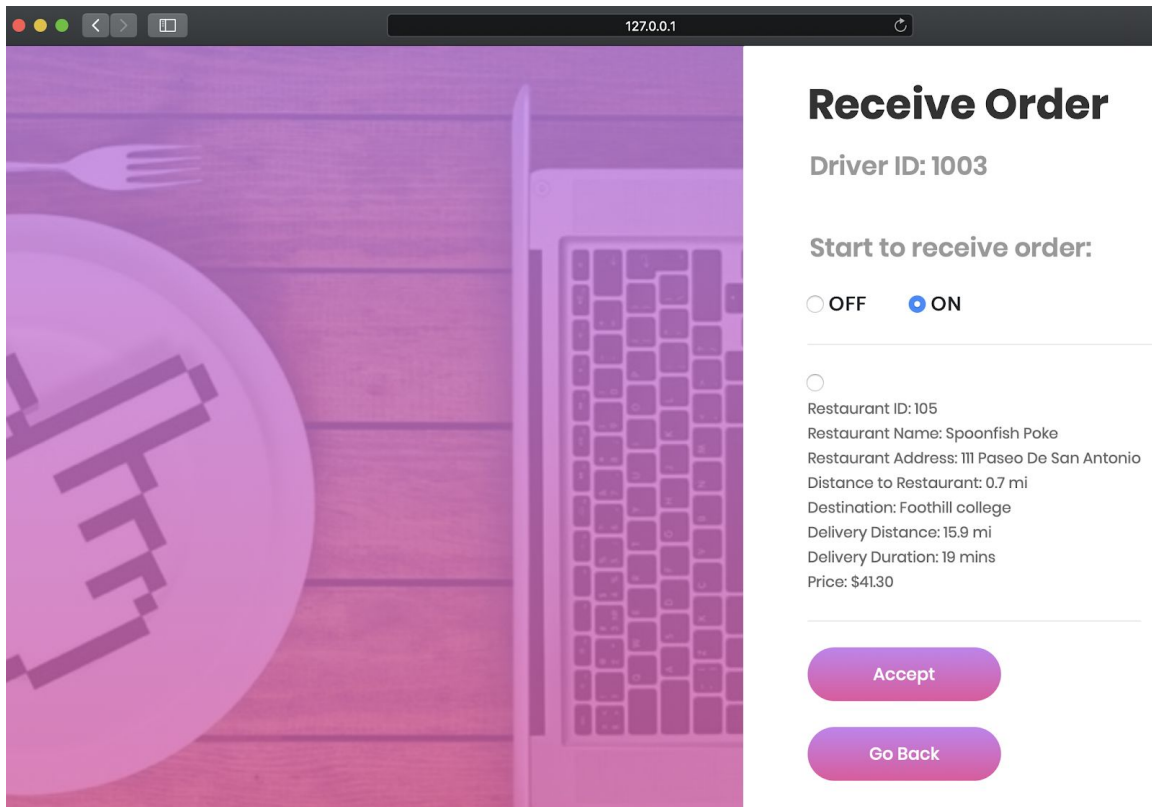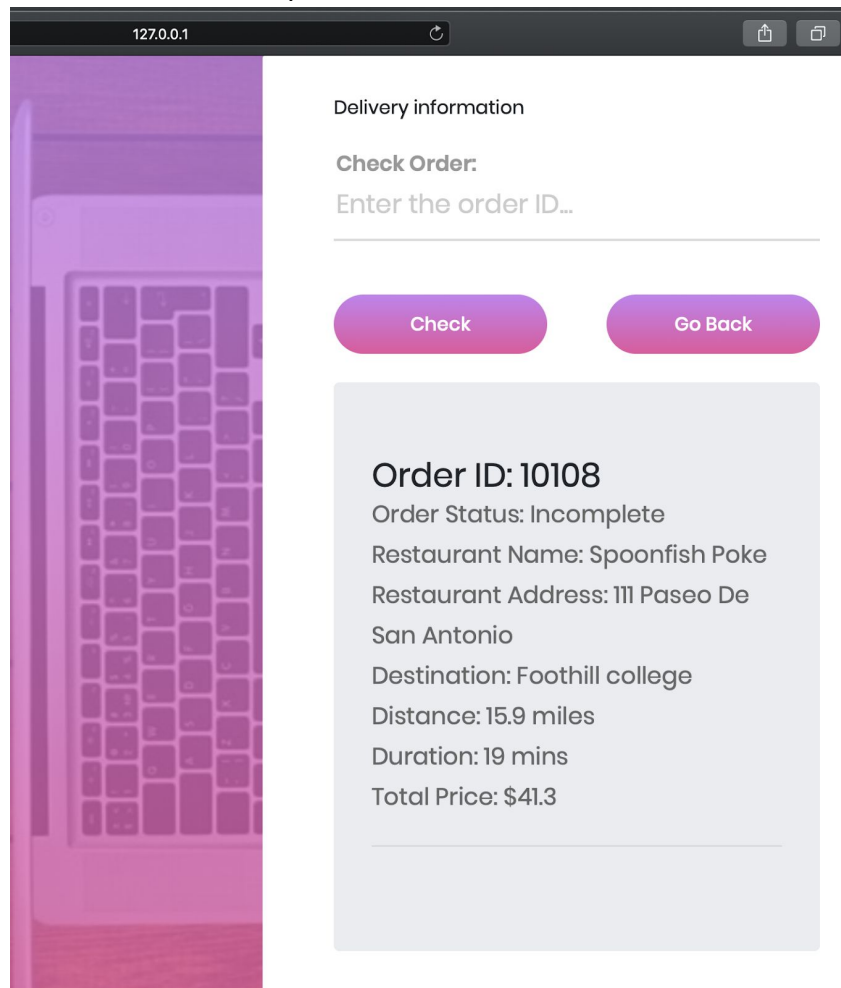
When you accept the order, you will receive an order ID and the server will send your information back to the corresponding restaurant user.

127.0.0.1:3000 says

Order Accepted!
Order ID:10109

OK

5. Driver: Order Info Page

You can see a specific order's information by order ID. The order information includes its status (complete or incomplete), restaurant name, restaurant address, destination, total distance, total duration, and total price.

Delivery information

Check Order:

Enter the order ID...

Check   Go Back

Order ID: 10108
Order Status: Incomplete
Restaurant Name: Spoonfish Poke
Restaurant Address: 111 Paseo De
San Antonio
Destination: Foothill college
Distance: 15.9 miles
Duration: 19 mins
Total Price: $41.3

If the order ID is invalid, you will see an error message.

Delivery information

Check Order: ** Invalid order ID **

Enter the order ID...

Check   Go Back

Order ID:

Order Status:

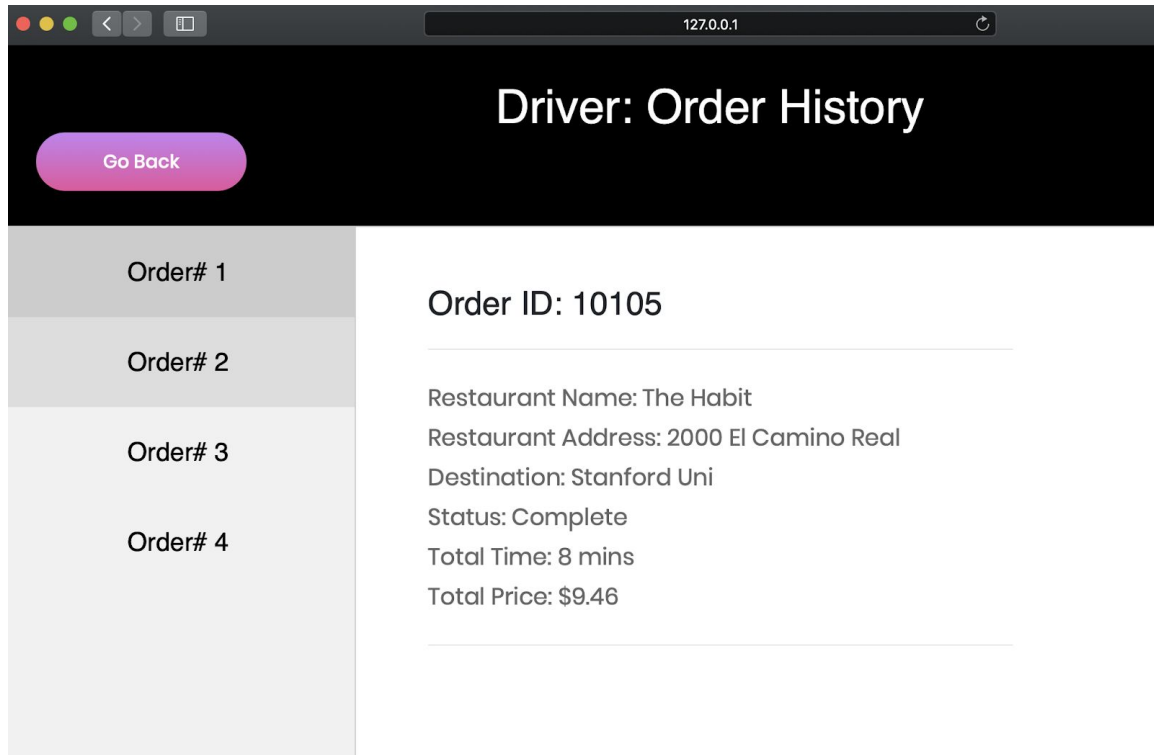Restaurant Name:

Restaurant Address:

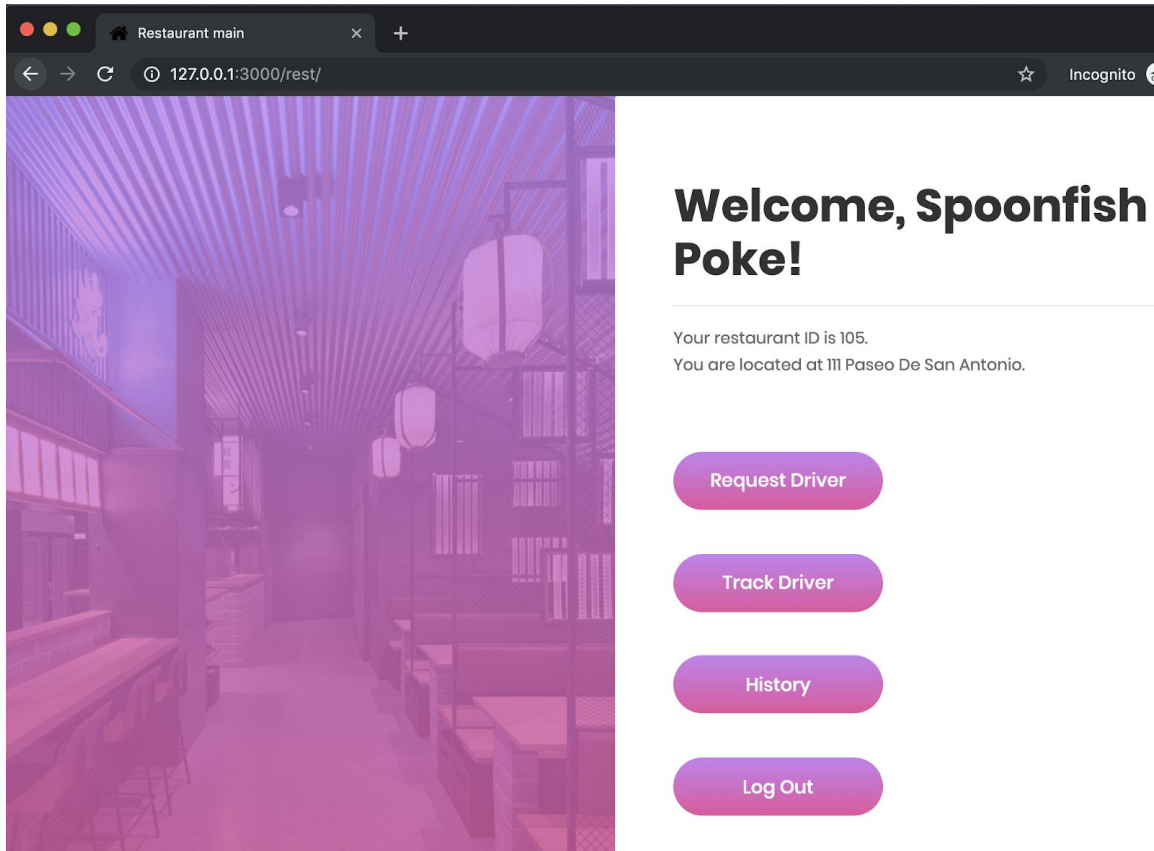Destination:

Distance: miles

Duration: mins

Total Price: $

6. Driver: History Page

You can check your order history here. It will show every order you took in ascending order according to the order ID. The order information includes a restaurant name, restaurant address, destination, status (complete or incomplete), total delivery time and the price.

7. Restaurant's dashboard

When you log in as a restaurant user, you will see your main page that shows your restaurant name, ID, and address with 4 buttons (Request Driver, Track Driver, History, and Log Out) that link to different pages.

8. Restaurant: Request Driver Page

You can request a driver by entering a destination. The map on the left side will initially show the restaurant's location. You will get a free 1 mile for the first order.
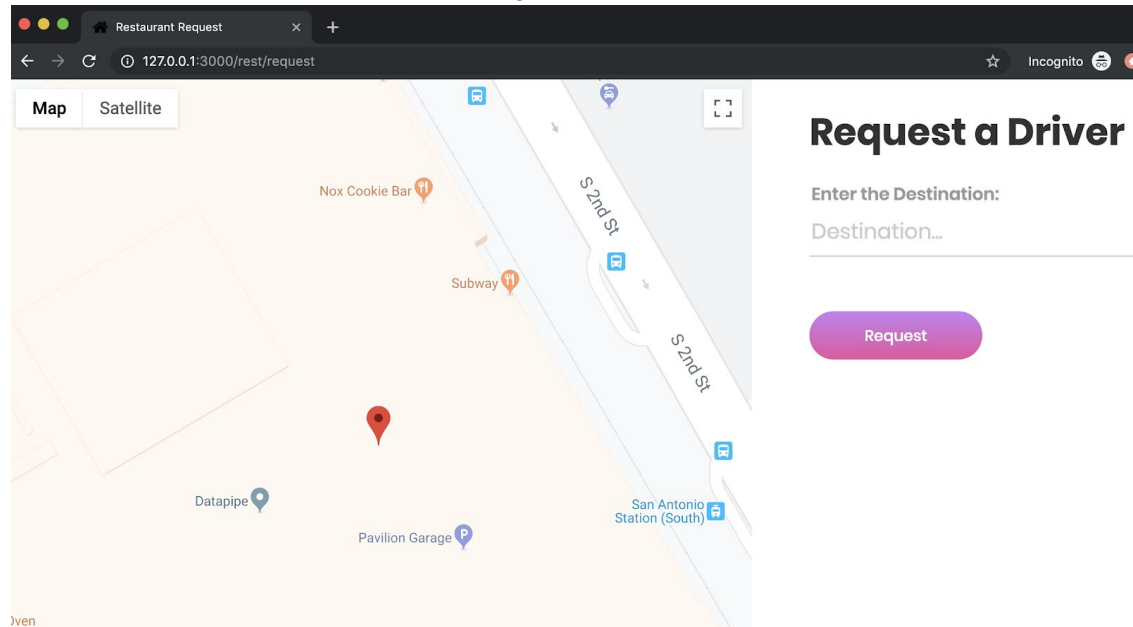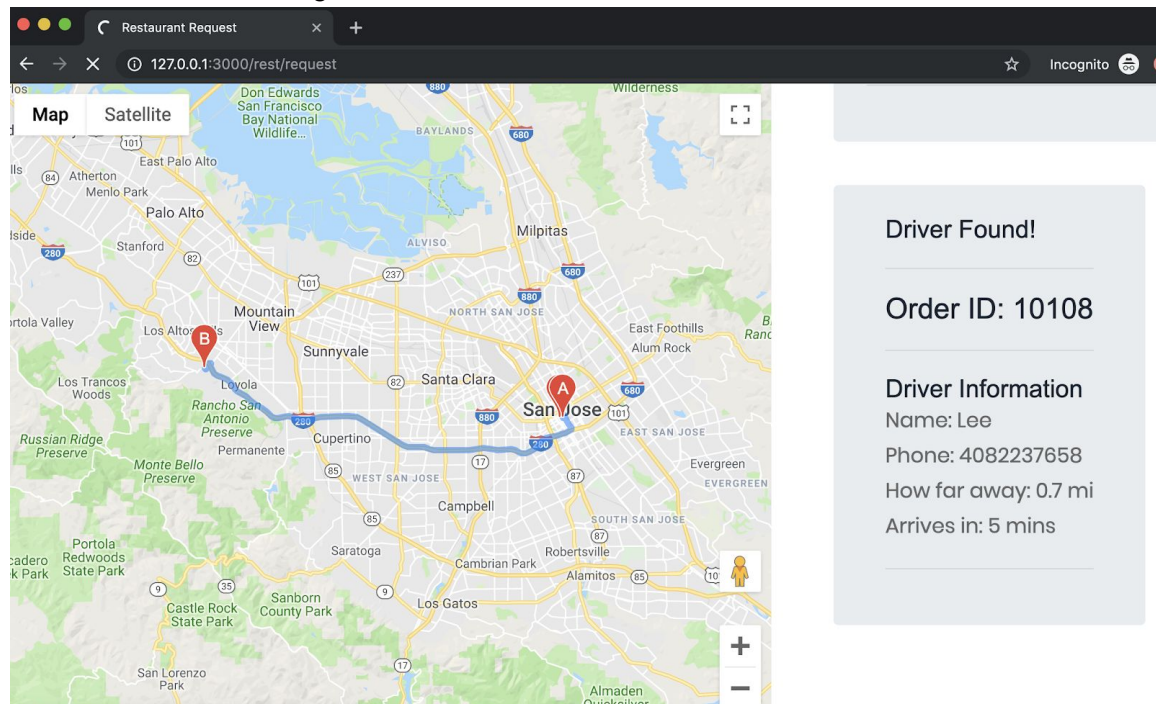

When you enter a valid destination, it will show the route from the restaurant to the destination with order information such as distance, estimated delivery time, and price.
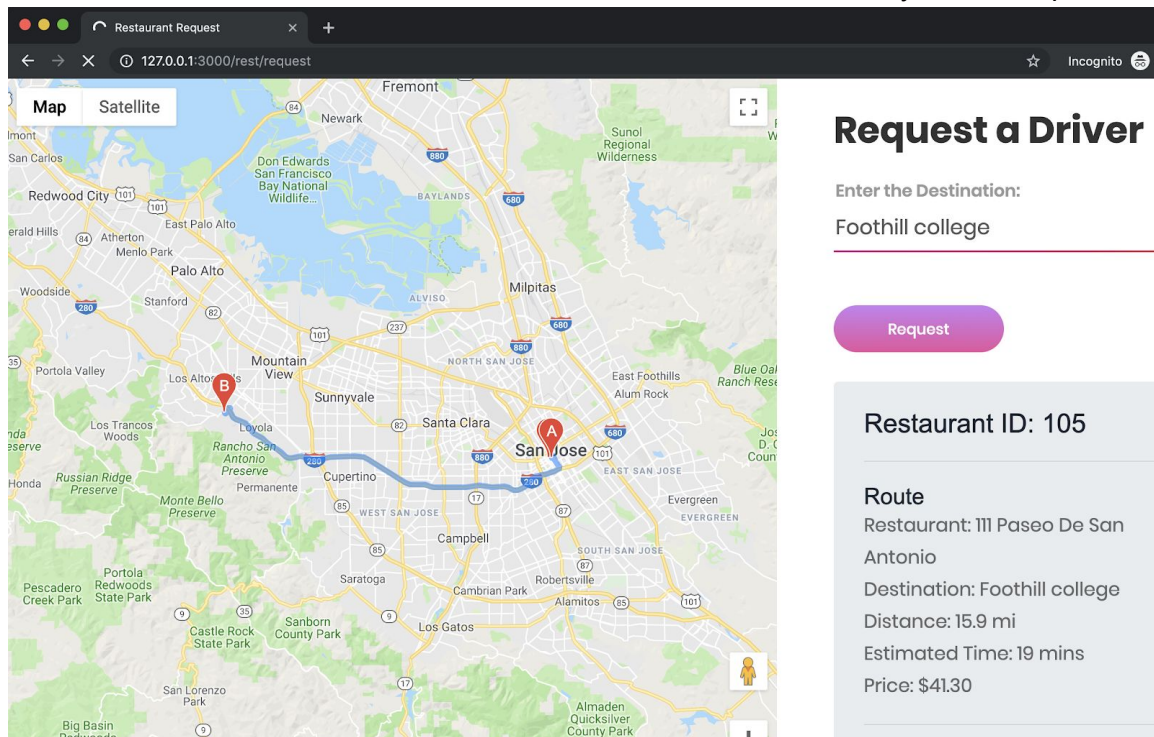
Then it will look for the nearest driver available.
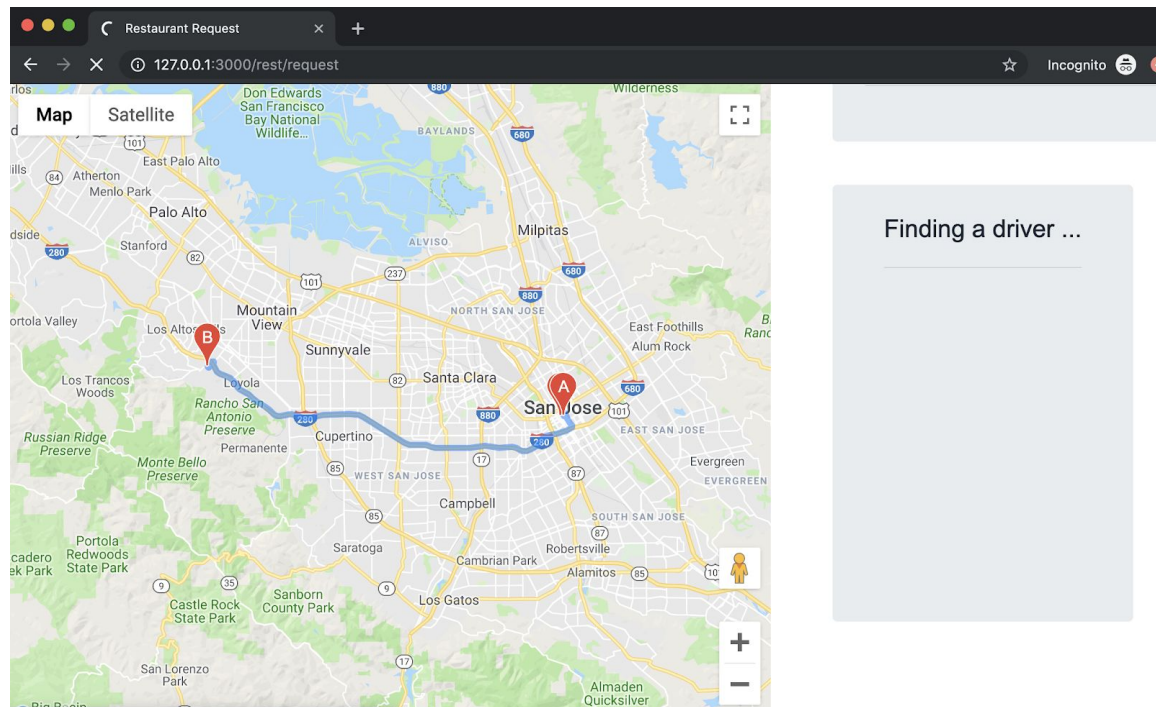
When a driver is found (after the driver accepts the order), it will show you the driver's information such as a driver's name, phone number, how far the driver is away from the restaurant, and how long it takes for him/her to arrive to the restaurant with order ID.

If your order is less than $6 or takes more than 30 minutes, it will still show the route but no order information with an error message. It will also show an error message if you enter an invalid destination such that doesn't exist.
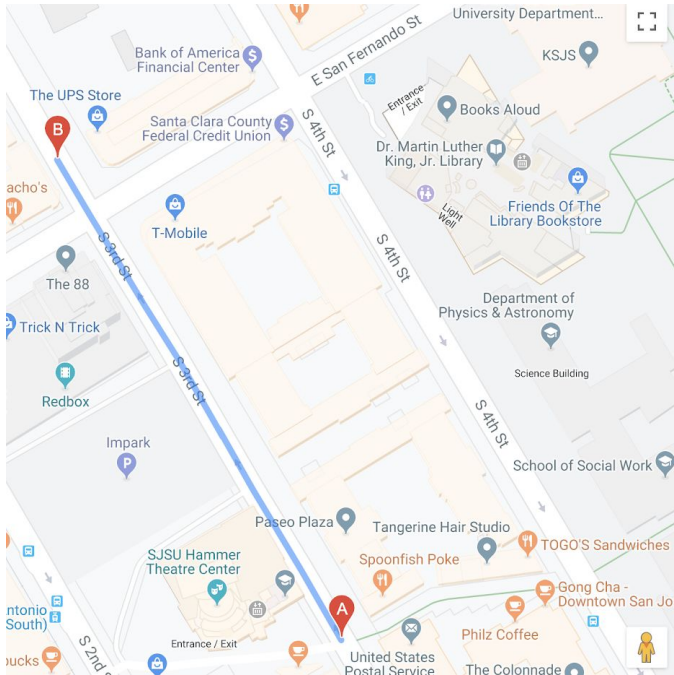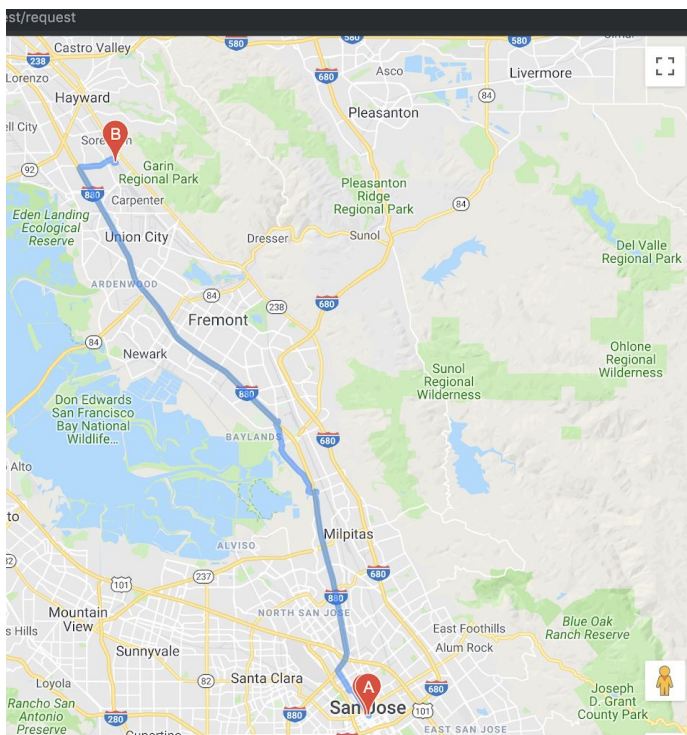

Request a Driver

Order can't be made: we can't take order less than $6 or taking more than 30min.

Enter the Destination:

The UPS Store, San Jose ✓

Request

Request a Driver

Order can't be made: we can't take order less than $6 or taking more than 30min.

Enter the Destination:

136 May Court, Hayward

Request

9. Restaurant: Track Driver Page

You can enter your order ID to track the order. The marker on the map will move along the route as the driver moves. When the driver reaches the destination, the order will be marked as completed. If you enter an order ID that's already delivered, you will see a message saying the order is already completed.
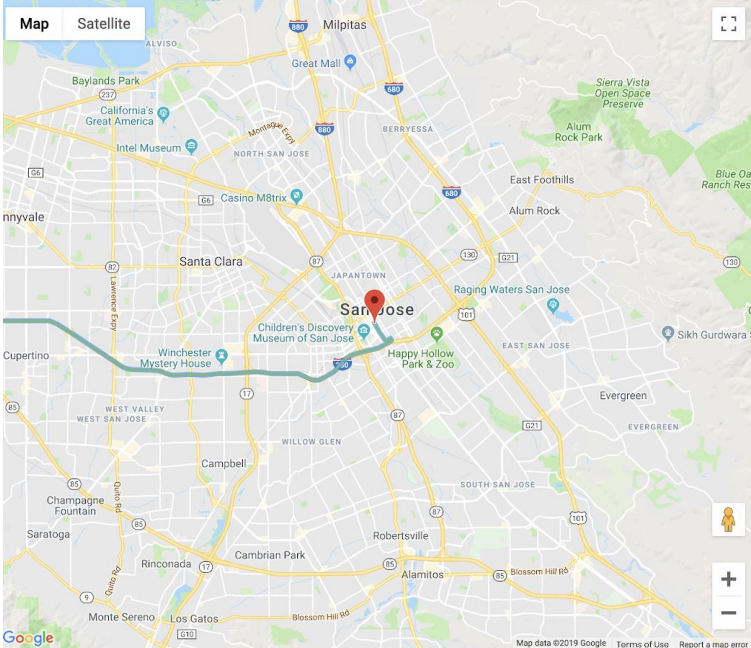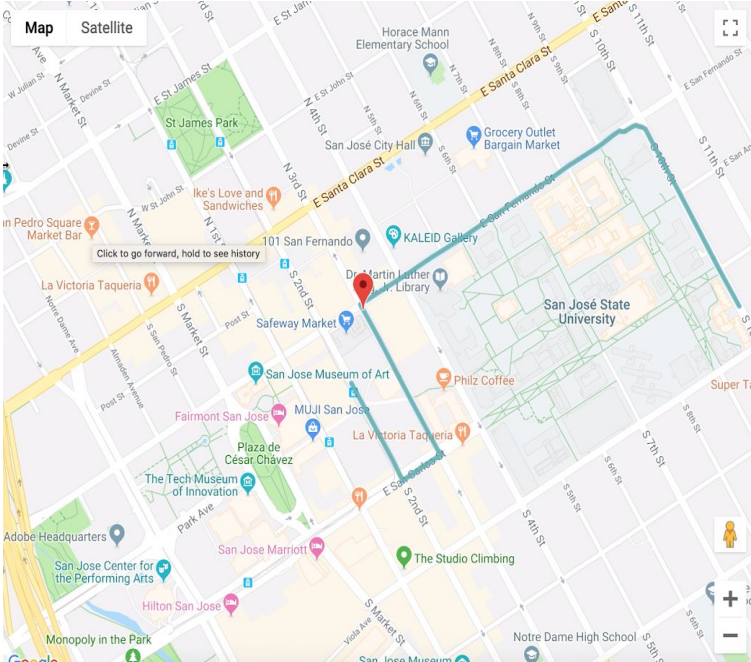
10. Restaurant: History Page

You can check your order history here. It will show every order you successfully requested in ascending order. The order information includes a driver's name, driver's phone number, destination, status (complete or incomplete), total delivery time, and price.