Restaurant Review

Welcome in Restaurant Review user manual.

Restaurant Review is a simple, easy to use application which offers reviews of restaurants around you. Application shows restaurants on the map based on their GPS coordinates in radius of 500 meters from the centre of the map. Restaurants that are currently visible on the map are displayed in a list form on the side of the map. A filter tool allows user to display restaurants between X and Y rating stars. The map is updated in real time to show corresponding restaurants. User can click on restaurant displayed in list to see it's details, street view photo and also reviews of that restaurant (if any exists). User can add his own restaurants and also add a reviews about an existing restaurants.

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Please note :
Chapters 1.2 and 2.3 are very crucial.
JSON server MUST run to run application !

1. Installation

<u>1.1 Node.js installation</u>

First you have to install Node.js

https://nodejs.org/en/download/package-manager/

Use link above to go to package manager install page for node.js, select your operating system and follow instructions to download and install Node.js on your computer. After you've done that, make sure that Node.js is running on your system. To do this we will use command line. Open new command line and type :

```
node --help
```

and press Enter.

You will know you have got it working if you get a list of commands and their descriptions.

1. Installation

<u>1.2 JSON Server installation</u>

Third you have to install json-server

Open new command line and type :

```
npm install -g json-server
```

and press Enter.

After you've done that, make sure that json-server is installed on your system. Open new command line and type :

```
json-server --help
```

and press Enter.

You will know you have got it working if you get a list of commands and their descriptions.

2. Starting application

2.1 Copying application files

Copy application files (restaurant-review-app directory and its content) onto your local hard drive.

2.2 Installing React modules

Open command line, navigate into application restaurant-review-app directory on your hard drive and type in command line :

```
npm install
```

and press Enter.

Npm will install all node modules needed to run application.

2. Starting application

2.3 Starting JSON-server

Application is using JSON-server to fetch data from json file. Json file with pre-filled restaurants data in json format is located in application directory under the following path :

restaurant-review-app/src/data/restaurantsData.json

When we start JSON-server it will run under port 3004, but if you wish to run JSON-server under different port – please change the port number in the following json file :

restaurant-review-app/src/data/json-server.json

by simply editing its content :

```
1 ▼ {
2   |   "port": 3004
3   }
4
```

2. Starting application

To start JSON-server open command line and navigate to directory :

restaurant-review-app/src/data
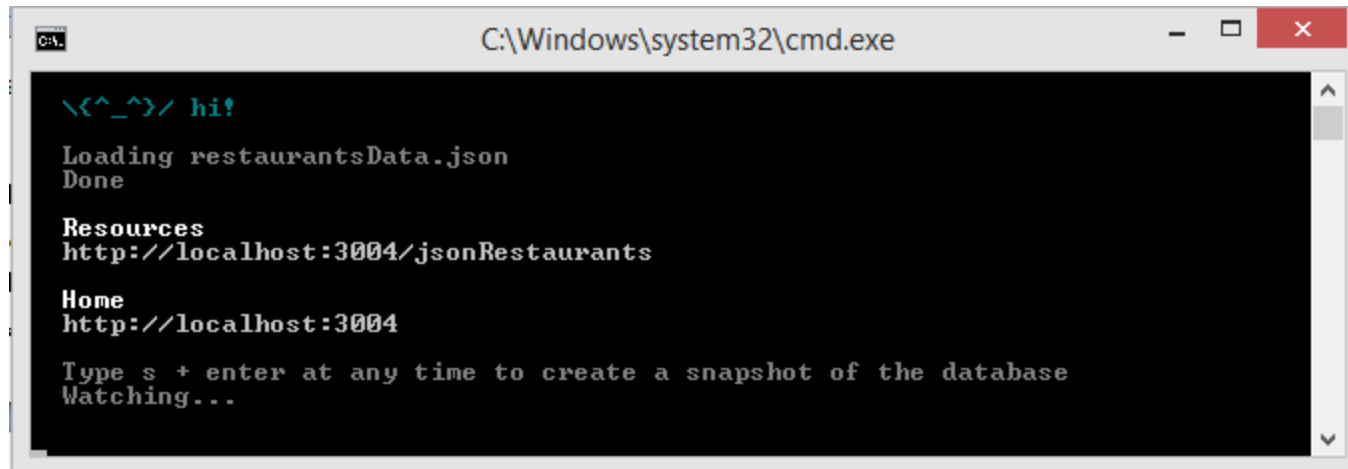
When you are in that directory type in command line :

```
json-server --watch restaurantsData.json
```

and press Enter.

IT IS VERY IMPORTANT TO START JSON SERVER – OTHERWISE MAP WILL NOT LOAD !!!

You will know that JSON-server is running when you see this window :

2. Starting application

2.4 Starting Restaurant Review Application

And now it is time to do last step – to start our application

In command line navigate to application main directory :

restaurant-review-app

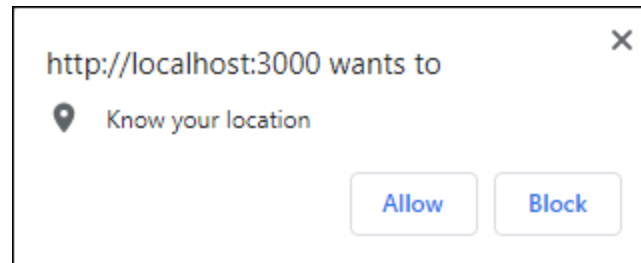When you reach the destination above – type in command line :

```
npm start
```

and press Enter.

Restaurant Review Application will open in new window in your web browser under the local host port 3000.

3. Geolocation

We are using geolocation to find user position and deploy user position marker on a map. When application starts pop-up window will appear :
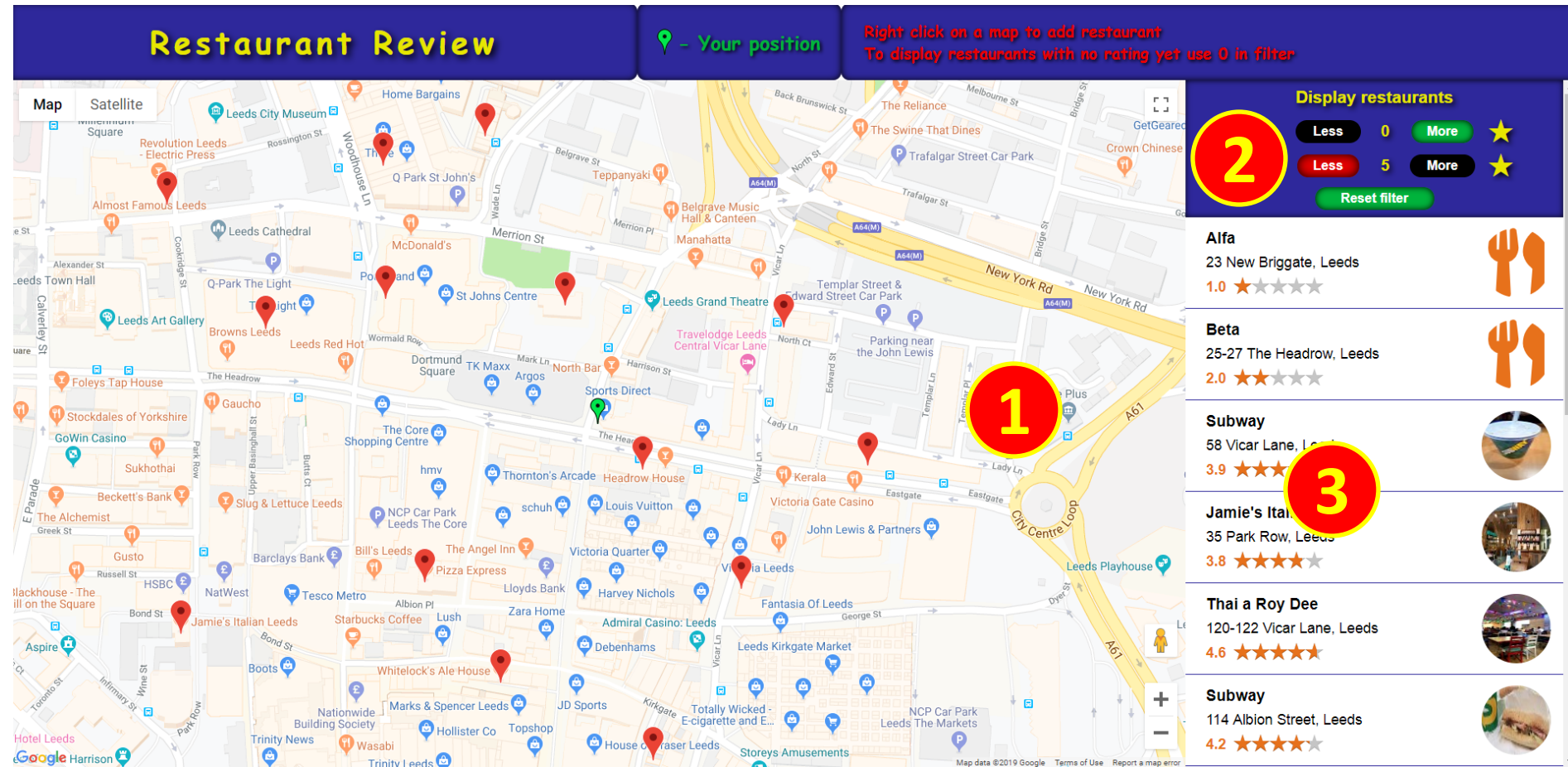

Please let us to have your location by click Allow button. If you allow for it - the center of the map will be set to your location and you will see marker with your position on a map :
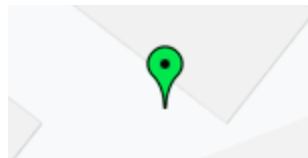
If you will not allow us to have your location or geolocation is not available then center of the map will be set to the center of Leeds in United Kingdom.

4. Main screen

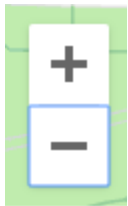**1** - Map   **2** - Filter   **3** - List
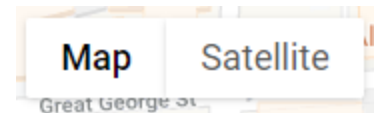
4. Main screen

<u>4.1 Map</u>

Restaurants are displayed on the map in a marker form based on their GPS coordinates. When you click on a marker a info window will appear. Info window contains name of a restaurant and address.

You can zoom in or zoom out using two buttons located in the right-bottom corner of the map. Alternatively you can control zoom level using mouse wheel.

To switch between street map view and satellite map view, use two buttons located in left-top corner of the map.

4. Main screen

A filter tool allows to display restaurants between X (minimum) and Y (maximum) rating stars. 0 (zero) in filter criteria allows you to display restaurants with no rating yet.
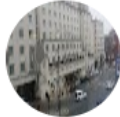
Black button color means that button is inactive.

Reset filter button allows you to reset filter criteria to display all restaurants from 0 rating stars to 5 rating stars.

A map and the list are updated in real time to display corresponding restaurants.
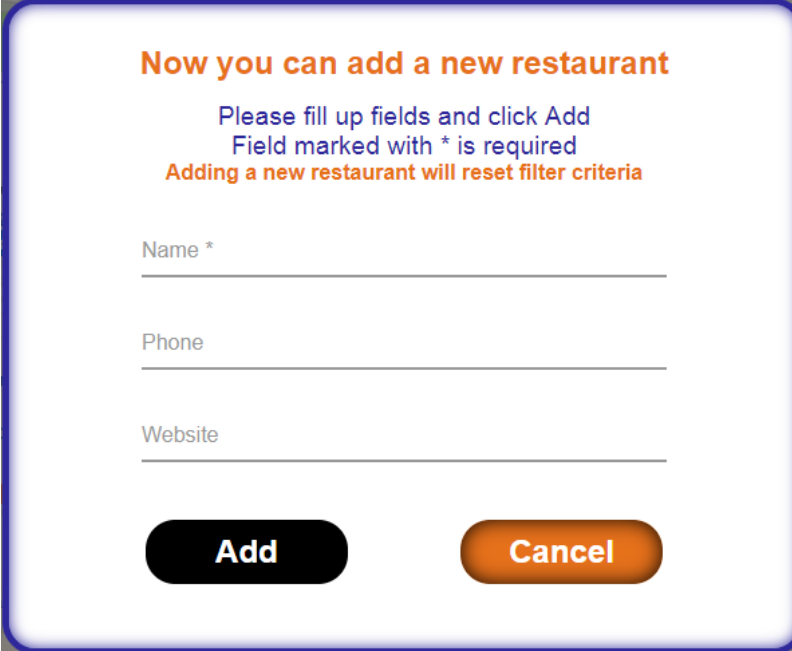
4. Main screen

4.3 List

① - Restaurant name

② - Restaurant address

③ - Average restaurant rating

④ - Place photo

Restaurants visible on a map and fulfilling filter criteria are displayed on right side of the map in a list form.

5. Adding new restaurant

To add a new restaurant simply right-click on a map in a place where you want to add a new restaurant.

A modal window will appear :

Fill up fields. Restaurant name field is required, phone and website fields are optional.

When you fill at least name field Add button will change its color into green – active. Press it to add restaurant. New restaurant appear immediately an a map and in a list. Map will be centered on a new restaurant GPS position.

New restaurant has no reviews yet – so filter will be reset to let you see it on a map and in a list.
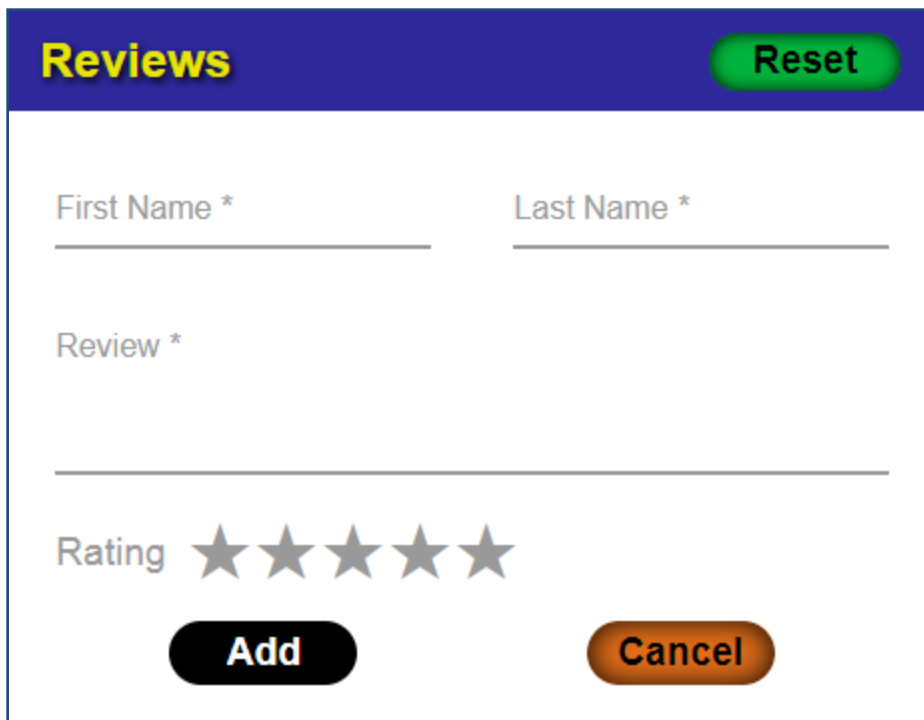
6. Restaurant details view
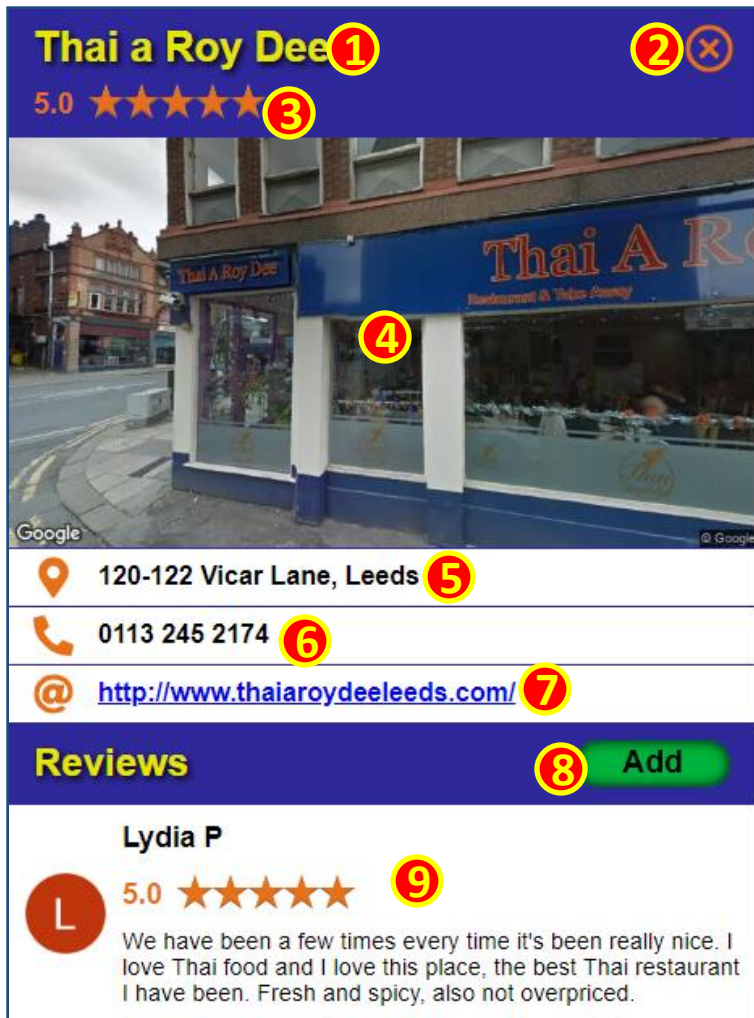
Simply left-click on a restaurant in list to see restaurant details view. To close it and back to list of restaurants – click close button or move a map.

❶ - Restaurant name

❷ - Close button

❸ - Average rating (based on reviews)

❹ - Street view picture

❺ - Address

❻ - Phone number (if available)

❼ - Website address (if available)

❽ - Add new review button

❾ - Review

7. Adding new review

To add a new review click button Add in restaurant details view (page above).

A window will appear under Reviews bar :

Add review button will change into Reset button to let you reset review content if you change your mind.

Fill up all fields and give restaurant a rating by clicking one of stars. When you do this Add button change color into green – active and you will be able to add new review by clicking on it.

New review will appear at the top of reviews and average rating will be updated.