

## Test Front-End

### Summary:

We expect a simple application that lets the data shine and show your coding abilities. We think that this project can be completed within 3 hours, but you can take up to 48 hours if you need to.

We will evaluate the following:

- Data shown in a clear, organized and beautiful web interface
- Capability of the app to order items by rating or alphabetically
- Link to the repository (Github) and app deployed into Github Pages

Melp is a business focussed on showing information about the best restaurants in the city. They have a pretty successful mobile application and are planning to expand their market through a web platform.

You are the ninja frontend developer of the company and you are asked to make a proposal for the web application.

You are provided with a data set with the following characteristics to complete the prototype:

Name		Type	Description
Id		alphanumeric	Unique Id of restaurant
name		string	Name of restaurant
contact		Object	Contact info. Contains a website, email and phone
	site	string	Website of the restaurant
	email	string	Email
	phone	string	Phone number
Address		Object	Restaurant location info
	Street	string	Street
	City	string	City
	State	string	State
	Location	Object	{lat: <number>,lng: <number>} Latitude and longitude
rating		number	A number between 0 and 4

You can get the information from

[https://s3-us-west-2.amazonaws.com/lgoaveabucket/data\\_melp.json](https://s3-us-west-2.amazonaws.com/lgoaveabucket/data_melp.json) with a GET request.

Once you've finished, upload your project to <https://pages.github.com> and send us the link to review it.

**Bonus 1:**

Share and like buttons to facebook with the details of certain restaurant.

**Bonus 2:**

This task consists on implementing a feature in which given a certain point in a map (You could drop a pin in a map) and a radius in meters:

- Count of all the restaurants within the radius provided.
- Show the average rating of restaurants inside the circle.
- Standard deviation of rating of restaurants inside the circle

**Bonus 3:**

Show recommendations about the nearest restaurants in the zone given a point in a map, a radius in meters and a range of rating.

**Bonus Points:**

- Git history
- Visual appeal of the application
- Responsiveness
- Social buttons to facebook
- Statistical data about restaurants in the area
- Recommendations given a coordinate
- Use of external libraries that provide a value to your development
- Good programming practices