

Portland Local Event

What is it?

This project is a simple website of a google map that allow user to view Portland local events with its address location in map position.

Why is it useful?

It allow users including myself to locating Portland local events in a more easy way.

This project is built with:

Front End:

- HTML
- CSS
- JavaScript
- Bootstrap Framework
- Google Map API
- Google Geocode API

Back End:

- Node.js
- Express.js
- Cheerio.jsMustache.js
- Request Module
- Fs Module

How it work?

Backend Service:

1. Using Cheerio.js to write a web Robot/crawler.
2. Using web Robot to scrapy events info from Calagator.com
3. Packaging events info as JSON object.
4. Sending JSON object to frontend by using mustache.js

Frontend:

1. Using bootstrap to build the basic

html framework.

2. Using google map API to setup a basic google map.
3. Using the JSON object to generate google markers.
4. Popping up event markers with its info window to map.
 - a) Display events of today with marker label "1"
 - b) Display coming up events within a week with marker label "7"
 - c) Display coming up events more than 7 days with marker label "7+."
5. Same process for map list.

How to setup and run this project:

1. cd to the project directory
2. node server.js
3. Go to localhost:8080/project.html

Reference:

References from course materials and exercises, references from Bootstrap, references from stackoverflow.com, and references from google map API documentation. Helps from Simon, helps from classmate Long. More details are in the project comments.