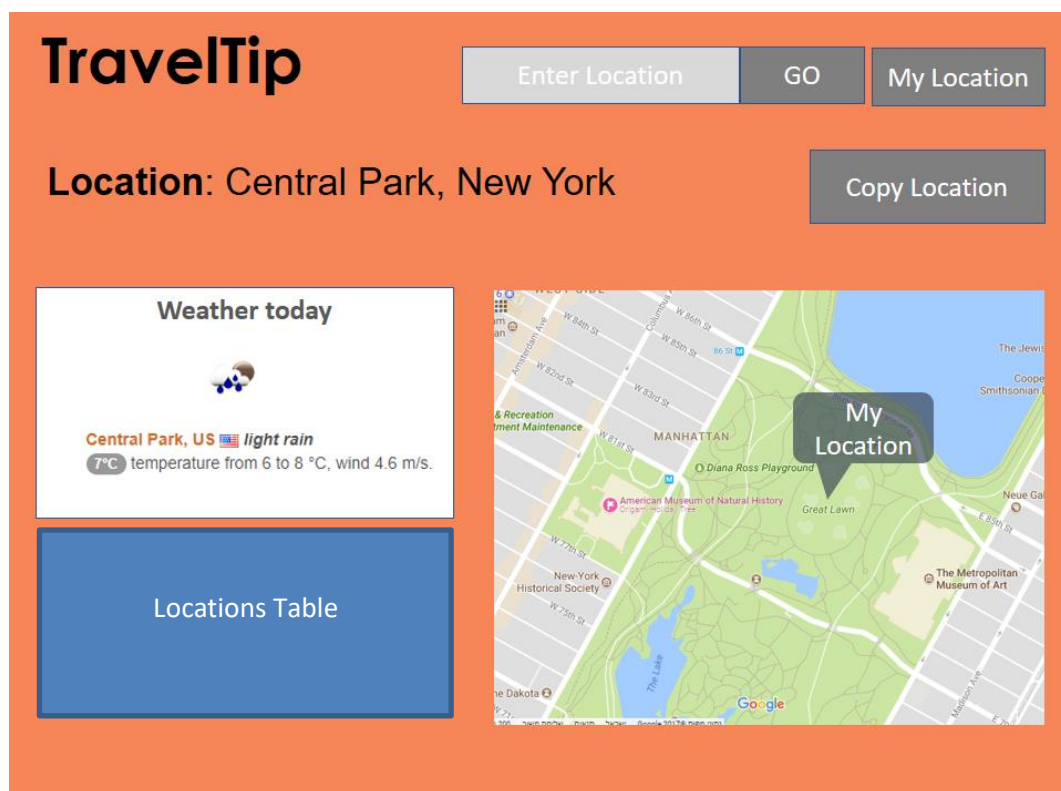# TravelTip

GeoPlace, Ajax, Modules, Git Collaboration

TravelTip is an app that helps you get keep a list of places and get some information about a specific place

API used: google maps, google geo code (bonus: open weather map) – see directions below

UX Concept:

Requirements
1. UI shall look nice and responsive
2. Render the map on the page.
3. Enable the user to pick a place by clicking on the map.

4. Build the placeService managing Places:

    {id, name, lat, lng, weather, createdAt, updatedAt}
    a. NOTE: this service should work with the async-storage.service
5. Render the places table:

a. Show the place information
6. Add an Actions column with buttons: Go and Delete
   a. Go – pans the map to that place
   b. Delete – use the service to delete the place
7. Create a "my-place" button that pan the map to the user's place.
8. Implement search: user enters an address (such as Tokyo) use the google Geocode API to turn it into cords (such as: {lat: 35.62, lng:139.79}) pan the map and also add it as new place.
9. Create a 'copy link' button that saves a link to the clipboard. The link will be to your application (URL for GitHub pages) with the Lat and Lng params. When opening the link your proj should open a map showing the place according to the lat/lng from the query string parameters.
   a. This app should be deployed to github-pages, so the URL should be something like:
      https://github.io/me/travelTip/index.html?lat=3.14&lng=1.63
   b. When app loads it looks into the query string params and if there are lat/lng params (see here), it will display accordingly.

APIs Directions

Maps API guidelines

1. Maps API (add your map):
   https://developers.google.com/maps/documentation/javascript/adding-a-google-map

2. Address <> Lat/Long - google geocode api:
   https://developers.google.com/maps/documentation/geocoding/start
   Go to Google Developer Console, and enable the Geocoding API before using it

Weather API guidelines
http://openweathermap.org/

REGISTER, GET API KEY, and get started here

Sample url (API key is needed)

NOTE – take notice of the temperature units

```
`http://api.openweathermap.org/data/2.5/weather?lat=${lat}&lon=${lon}&APPID=${W_KEY}`
```

Development Workflow

1. Start together, build a simple project structure
2. Setup git and make sure the team can push and pull from the repository
3. Design an initial page (index.html, main.js, services, CSS files) together (don't spend more than 2 hours at this stage.)
4. Commit , Push and Pull .
5. Split and work separately and together whenever you see fit.
   a. Try to push and pull every hour to coordinate your code and practice the workflow
6. Use this opportunity to improve the code by mutual code reviews

Bonuses

1. Weather at the place
2. Create your own designed marker on the map