

# Coding Assignment

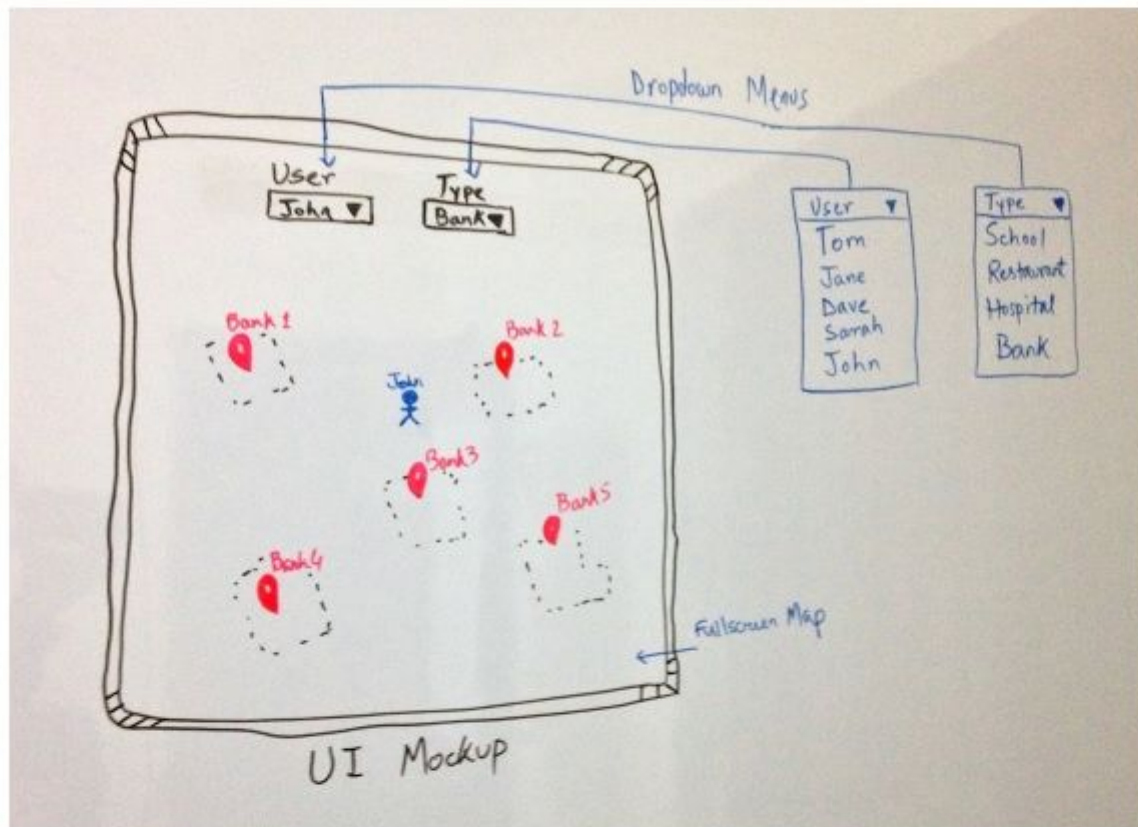
## Problem Statement

**Create a client-side web app that displays the nearest places of interest on map for a specific user.**

## Scenario

For any user in the given list, find 5 places of the chosen type (i.e. school, restaurant, hospital, bank) near the current location of the user, and display the results on a map. The results must be within a given radius of the user's current location.

## UI Mockup



## Technology Stack

1. Client-side web technologies of your choice (i.e HTML, CSS, Javascript)
2. Google Maps Javascript API for fetching places and displaying on map
3. GitHub for version control of your code

## Coding Assignment

### JSON format for user data

```
{  
  username: Harry,  
  current_latitude: 12.7878,  
  current_longitude: -30.6565,  
  radius: 200  
}
```

### Use the following array of user data in your application

```
var userData = [  
  { 'username': 'Tom',  
    'current_latitude': 23.752805,  
    'current_longitude': 90.375433,  
    'radius': 500  
  },  
  { 'username': 'Jane',  
    'current_latitude': 23.755790,  
    'current_longitude': 90.387363,  
    'radius': 400  
  },  
  { 'username': 'Dave',  
    'current_latitude': 23.765138,  
    'current_longitude': 90.362601,  
    'radius': 450  
  },  
  { 'username': 'Sarah',  
    'current_latitude': 23.792452,  
    'current_longitude': 90.416696,  
    'radius': 600  
  },  
  { 'username': 'John',  
    'current_latitude': 23.863064,  
    'current_longitude': 90.400126,  
    'radius': 640  
  }  
];
```

# Coding Assignment

## Deliverables

- Push your code to a public repository on Github
- A description of problems/roadblocks you faced in implementing and how you completed the task

## Submission Guidelines

- Email us
- In your email, include your GitHub repository link and the description.

## Hints

If you don't have experience with GitHub or using Google Maps APIs, you will find plenty of examples along with documentation online. You will need a GitHub account.

## Judging Criteria include

- Ability to learn new technologies fast
- Ability to understand and implement requirements
- Code readability

You have one week to complete this assignment.

Good Luck!