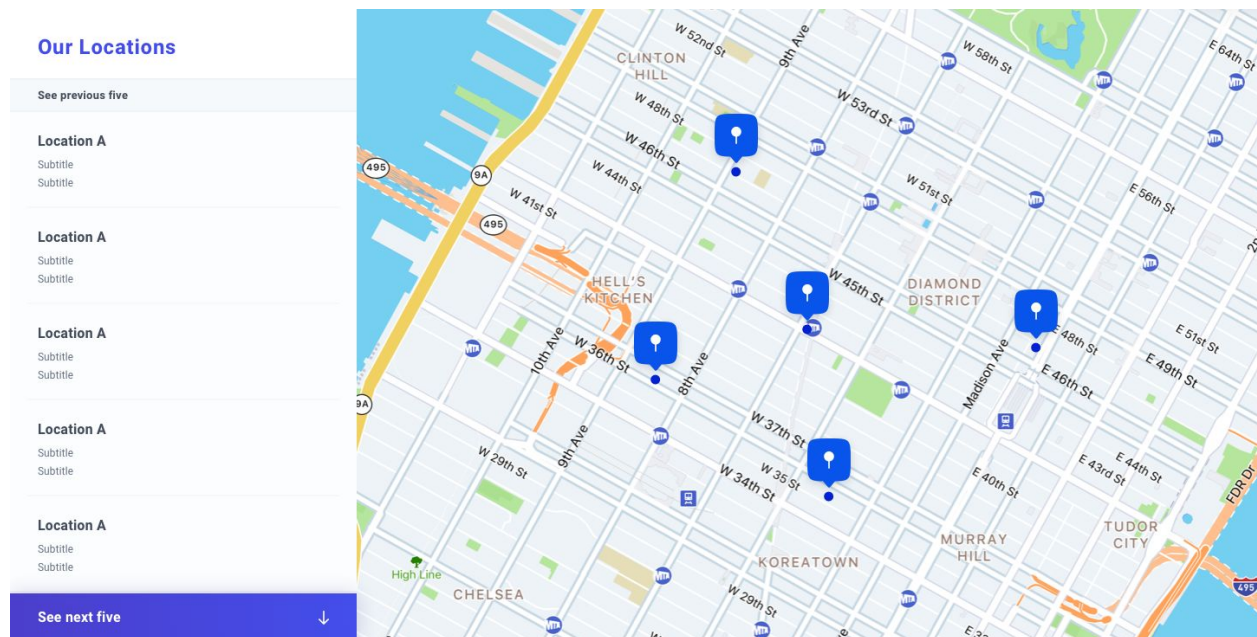


## JS/API code challenge



Looking at the mock ups provided create a single page application ( HTML, CSS and JS ). The single page application should illustrate knowledge of MVC architecture and basic object operations ( async load, parse).

Make two async GET call to our API or use a JSON file to get the response arrays as in example bellow and display those addresses in the front end. For example, all addresses are in a JSON object in one file and you want to display all the address in a view that matches the mock up.

The objective is to show well organized code, handling of click events, use of functions, changing the view of a template/working with templates and working with data. Please use our documentation provided that will show you how to create a map, add points to the map and how to delete points from the map. You can use any front end framework you would like.

If you have any questions or comments please do not hesitate to contact us.

## Multiple Points Request

### API URL:

[https://api.mapfit.com/v1/geocode?api\\_key=591dccc4e499ca0001a4c6a4376d9e037bb8498a5d301c0f08a1f275](https://api.mapfit.com/v1/geocode?api_key=591dccc4e499ca0001a4c6a4376d9e037bb8498a5d301c0f08a1f275)

### Request 1:

```
[{"building":true,"address":"119 W 24th St, New York, NY"},
{"building":true,"address":"99 Margaret Corbin Dr, New York, NY"},
{"building":true,"address":"1000 5th Ave, New York, NY"}]
```

### Request 2:

```
[{"building":true,"address":"118 w 42nd st, new york, ny"},
{"building":true,"address":"stainway st, astoria, queens, ny"}]
```

### Response 1

```
[{
  "city": "New York",
  "zip": "10011",
  "state": "NY",
  "neighborhood": "",
  "status-code": 1,
  "building": {
    "type": "Polygon",
    "coordinates": [[[-73.992954, 40.744257], [-73.993136, 40.744006], [-73.993448,
40.744138], [-73.993294, 40.744349], [-73.993133, 40.744281], [-73.993104, 40.744321],
[-73.992954, 40.744257]]]]
  },
  "address": "119 W 24th St",
  "entrances": [{
    "lon": -73.99324,
    "place-type": "entrance of place",
    "lat": 40.74405,
    "entrance-type": "pedestrian-primary"
  }]
},
{
  "city": "New York",
  "zip": "10040",
  "state": "NY",
  "neighborhood": "",
  "status-code": 2,
  "address": "99 Margaret Corbin Dr",
  "entrances": [{
    "lat": 40.862873,
```

```

        "lon": -73.932840,
        "place-type": "interpolated point"
    }]
},
{
    "city": "New York",
    "zip": "10001  ",
    "state": "NY",
    "neighborhood": "",
    "status-code": 1,
    "building": {

    },
    "address": "1000 5th Ave",
    "entrances": [{
        "lon": -73.963155,
        "place-type": "entrance of place",
        "lat": 40.778374,
        "entrance-type": "pedestrian-primary"
    }]
}]

```

## Response 2

```

[ {
    "city": "New York",
    "zip": "10036",
    "state": "NY",
    "neighborhood": "",
    "status-code": 2,
    "address": "118 W 42nd St",
    "entrances": [{
        "lat": 40.754967,
        "lon": -73.985065,
        "place-type": "interpolated point"
    }]
},
{
    "city": "Astoria",
    "location": {
        "lat": 40.76301,
        "lon": -73.9157199,
        "place-type": "here-provided"
    },
    "zip": "11103",
    "state": "NY",
    "neighborhood": "Astoria",
    "country": "USA",
    "address": "Steinway St, Astoria, NY 11103, United States"
}

```

