

Leaflet.js

what is leaflet

Leaflet is the leading open-source JavaScript library for mobile-friendly interactive maps. Weighing just about 33 KB of JS, it has all the mapping [features](#) most developers ever need.

Leaflet is designed with *simplicity, performance and usability* in mind. It works efficiently across all major desktop and mobile platforms, can be extended with lots of [plugins](#), has a beautiful, easy to use and [well-documented API](#) and a simple, readable [source code](#) that is a joy to [contribute](#) to.

This means it is free, easy to learn, and very customizable

Setup

Easiest is to host

Using a Hosted Version of Leaflet

The latest stable Leaflet release is hosted on a CDN — to start using it straight away, place this in the **head** of your HTML code:

```
<link rel="stylesheet" href="https://unpkg.com/leaflet@1.0.1/dist/leaflet.css" />
<script src="https://unpkg.com/leaflet@1.0.1/dist/leaflet.js"></script>
```

Using a Downloaded Version of Leaflet

Inside the archives downloaded from the above links, you will see four things:

- **leaflet.js** - This is the minified Leaflet JavaScript code.
- **leaflet-src.js** - This is the readable, unminified Leaflet JavaScript, which is sometimes helpful for debugging.
- **leaflet.css** - This is the stylesheet for Leaflet.
- **images** - This is a folder that contains images referenced by **leaflet.css**. It must be in the same directory as **leaflet.css**.

Unzip the downloaded archive to your website's directory and add this to the **head** of your HTML code:

```
<link rel="stylesheet" href="/path/to/leaflet.css" />
<script src="/path/to/leaflet.js"></script> <!-- or use leaflet-src.js --!>
```

Leaflet Source Code

These download packages above only contain the library itself. If you want to download the full source code,

super easy tutorial

Preparing your page

Before writing any code for the map, you need to do the following preparation steps on your page:

- Include Leaflet CSS file in the head section of your document:

```
<link rel="stylesheet" href="https://unpkg.com/leaflet@1.0.1/dist/leaflet.css" />
```

- Include Leaflet JavaScript file:

```
<script src="https://unpkg.com/leaflet@1.0.1/dist/leaflet.js"></script>
```

- Put a **div** element with a certain **id** where you want your map to be:

```
<div id="mapid"></div>
```

- Make sure the map container has a defined height, for example by setting it in CSS:

```
#mapid { height: 180px; }
```

Now you're ready to initialize the map and do some stuff with it.

Let's create a map of the center of London with pretty Mapbox Streets tiles. First we'll initialize the map and set its view to our chosen geographical coordinates and a zoom level:

```
var mymap = L.map('mapid').setView([51.505, -0.09], 13);
```

By default (as we didn't pass any options when creating the map instance), all mouse and touch interactions on the map are enabled, and it has zoom and attribution controls.

Note that `setView` call also returns the map object — most Leaflet methods act like this when they don't return an explicit value, which allows convenient jQuery-like method chaining.

Next we'll add a tile layer to add to our map, in this case it's a Mapbox Streets tile layer. Creating a tile layer usually involves setting the [URL template](#) for the tile images (get yours at [Mapbox](#)), the attribution text and the maximum zoom level of the layer:

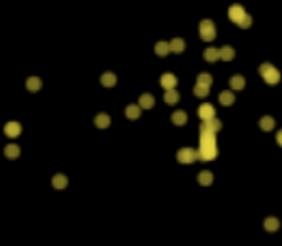
```
L.tileLayer('https://api.tiles.mapbox.com/v4/{id}/{z}/{x}/{y}.png?access_token={accessToken}', {
  attribution: 'Map data &copy; <a href="http://openstreetmap.org">OpenStreetMap</a> contributors',
  maxZoom: 18,
  id: 'your.mapbox.project.id',
  accessToken: 'your.mapbox.public.access.token'
}).addTo(mymap);
```

Make sure all the code is called after the `div` and `leaflet.js` inclusion. That's it! You have a working Leaflet map now.

It's worth noting that Leaflet is provider-agnostic, meaning that it doesn't enforce a particular choice of providers for tiles, and it doesn't even contain a single provider-specific line of code, so you're free to use other providers if you need to (we'd recommend Mapbox though, it looks beautiful).

Mapbox

- create tilesset
- create style of map
- get access key (api?)



parkets

Modified 7 days ago

Add to style

1 vector layer Used in 3 styles Stats

parkets

29 properties | This layer contains mostly Points

- envista_description String
- envista_project_name_full String
- Applicant String
- cnn Number
- envista_start_date String
- Permit_Approval_Date String
- Street_Name String
- envista_location_type String
- Permit_ZipCode Number
- envista_intermediate_location_text String
- Latitude Number
- envista_end_date String

Map ID
kailenswain.citj340cf071l2xo3bxxb... [Edit](#)

Format pbf Type vector Size 21.32 kB

Zoom extent z0 ~ z14
Data will be visible above zoom 14, but may appear simplified.
[Learn how to adjust zoom extent](#)

Bounds -122.5,37.7,-122.4,37.8



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[Terms + Privacy](#) © Mapbox

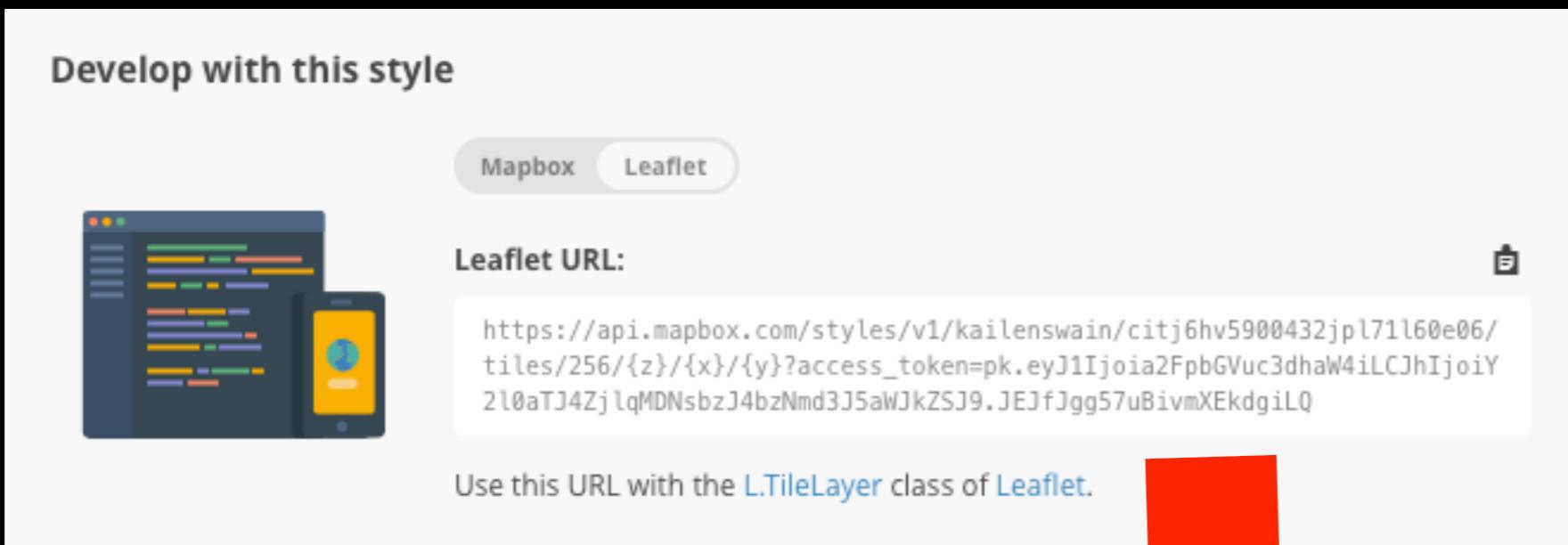


PUBLIC PARKLET
ALL SEATING IS OPEN TO THE PUBLIC

THE
PIZZA PLACE

	+ New layer
	⊕
	⊖
	⊖
	⊖
T	parkets
▶	Country labels 3 layers
▶	State labels 3 layers
▶	Marine labels 6 layers
▶	City labels 5 layers
T	place-islands
T	place-town
T	place-village
T	place-hamlet
T	place-suburb
T	place-neighbourhood
T	place-islets-archipelago-aboriginal
T	airport-label
▶	POI labels (scalerank 1) ...
▶	Water labels 1 layer
▶	POI labels (scalerank 2) ...
▶	Road labels 3 layers
▶	POI labels (scalerank 3) ...
T	waterway-label
▶	Admin boundaries 5 lay...
▶	Bridges 34 layers
▶	Roads 27 layers
▶	Tunnels 24 layers
▲	building
▶	Aeroways 3 layers
✓	barrier_line-land-line
▲	barrier_line-land-polygon
▲	water
▲	water shadow
✓	waterway-river-canal
▶	Hillshading 6 layers
▲	sand
🔔	Industrial
▲	pitch
▲	parks
▲	national park
	Properties

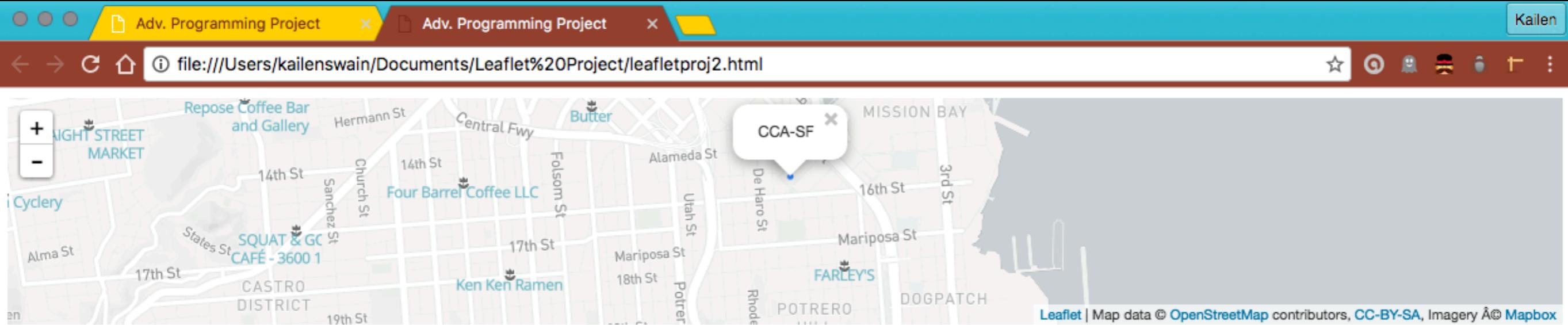




FILES

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```
1 var mymap = L.map('mapid').setView([37.76, -122.4], 14);
2
3 L.tileLayer('https://api.mapbox.com/styles/v1/kailenswain/citj6hv5900432jp171l60e06/tiles/256/{z}/{x}/{y}?access_token=pk.eyJ1Ijoia2FpbGVuc3dhaW4iLCJhIjoiY2l0aTJ4ZjlqMDNsbzJ4bzNmd3J5aWJkZSJ9.JEJfJgg57uBivmXEkdgiLQ',
4   attribution: 'Map data &copy; <a href="http://openstreetmap.org">OpenStreetMap</a> contributors, <a href="http://creativecommons.org/licenses/by-sa/2.0/">CC-BY-SA</a>',
5   maxZoom: 18,
6   id: 'your.mapbox.project.id',
7   accessToken: 'your.mapbox.public.access.token'
8
9 ).addTo(mymap);
10
11 var marker = L.circle([37.7673, -122.39965]).addTo(mymap)
12 .bindPopup('CCA-SF')
13 .openPopup();
14
15
16
```



Adv. Programming Project Adv. Programming Project Kailen

← → C ⌂ i file:///Users/kailenswain/Documents/Leaflet%20Project/leafletproj2.html

SAN FRANCISCO PARKLETS

A map of San Francisco, California, showing the locations of parklets across various neighborhoods. The map includes street names, landmarks, and district boundaries. A callout bubble highlights the location of 'CCA-SF' at the intersection of De Haro St and 16th St.

Key locations marked on the map include:

- NORTH OF PANHANDLE
- WESTERN ADDITION
- HAIGHT STREET MARKET
- CASTRO DISTRICT
- MISSION GREEK
- MISSION BAY
- DOGPATCH
- POTRERO HILL
- Glen Canyon Park
- Arlequin Cafe
- Mercury Cafe
- Butter
- Four Barrel Coffee LLC
- Repose Coffee Bar and Gallery
- SQUAT & GC CAFÉ - 3600 1
- Ken Ken Ramen
- 3605 20th H1, LLC
- Ritual Coffee Roasters
- The Crepe House 3
- Exploratorium
- Noe Valley Association
- Cafe Seventy8
- Darwin Cafe
- Little Skillet
- FARLEY'S
- Just for You C

CCA-SF

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