

My First Web Map

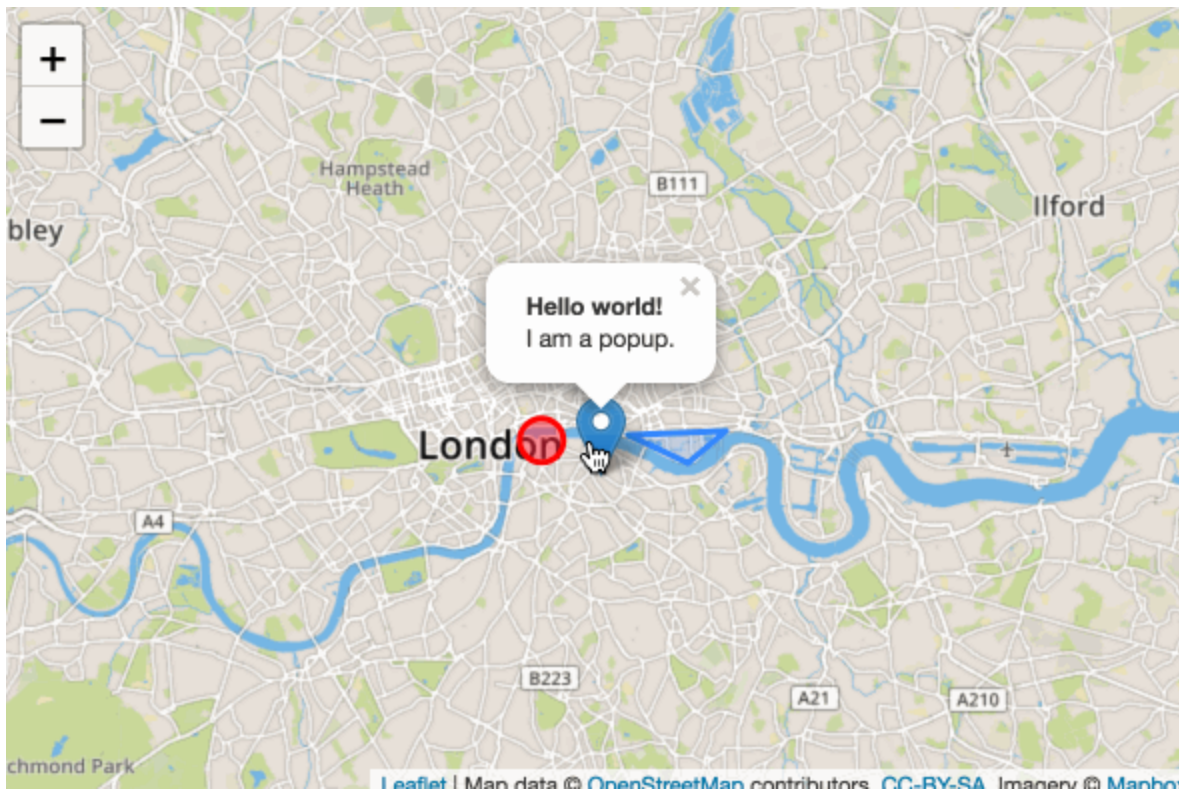
What is a Web Map?

A map that lives on the internet.

You can open it in any browser.

It will let you zoom in and out and pan around

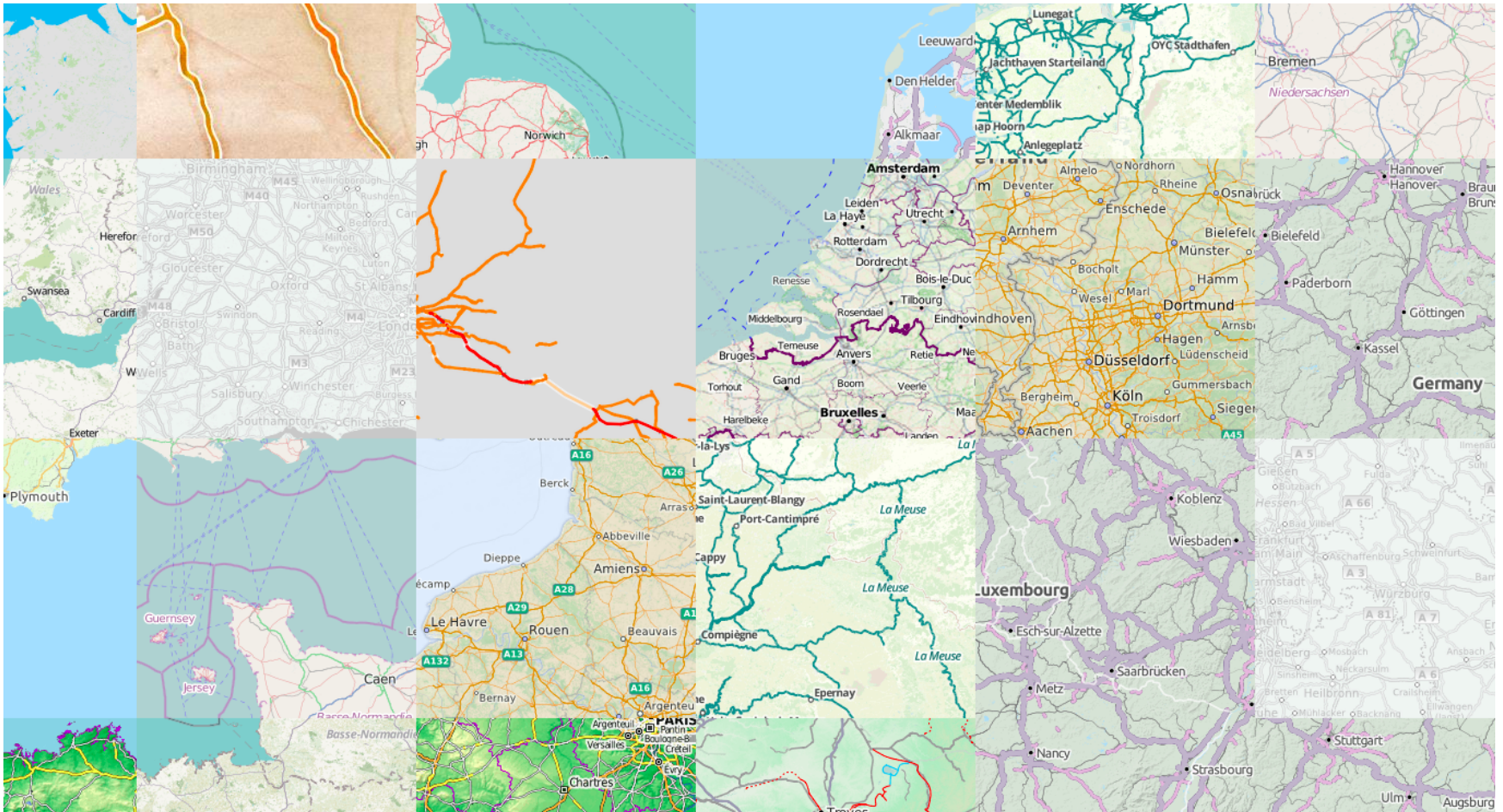
It will let you click on things to give you more information.



Why make a Web Map?

It is fun and not too hard!

You can make any kind of map you want.



Why use Free and Open tools and data?

You have more control over the end result.

It is free (\$) in most cases.

No surprises (changing business models, APIs, terms and conditions..).

No privacy concerns.

What do we need?

Some HTML to show your map and other things on the page.

A bit of JavaScript code, the nuts and bolts of your web map.

Some CSS to add style.

And, of course, map data to show.

Map Data

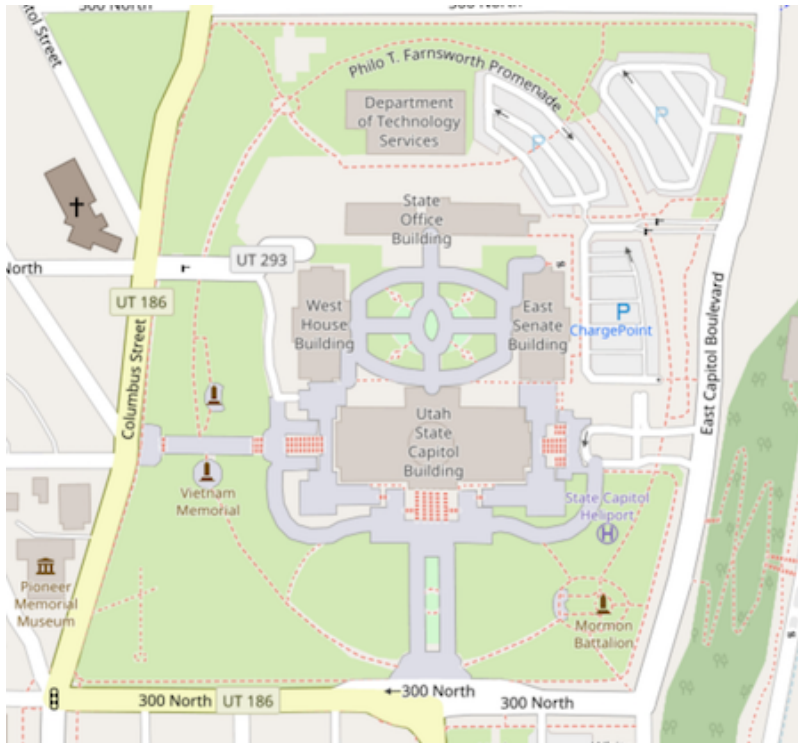
Where do we find map data?

OpenStreetMap is the best source for freely accessible map data.

OSM is the wiki of maps.

Millions of people contribute to it. (And you can, too!)

It is very detailed:



Map Data

It looks like this:

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<nd ref="83026422"/>
<nd ref="83026424"/>
<nd ref="4184887797"/>
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<tag k="name" v="South 3000 West"/>
<tag k="tiger:cfcc" v="A31"/>
<tag k="tiger:county" v="Davis, UT"/>
<tag k="tiger:name_base" v="3000"/>
<tag k="tiger:name_direction_prefix" v="S"/>
<tag k="tiger:name_direction_suffix" v="W"/>
<tag k="tiger:reviewed" v="no"/>
</way>
```

How do we turn that into a pretty map?