# Display Locations on a Map



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#### Module Goals



How to display location on a map

Link to maps

Embed a free map



# Display Coordinates on a Map

Link to Map Site => Free

Embed a Map => Free to Paid

Open Street Maps
Google Maps



## Link to Map

Open URL with embedded latitude/longitude

https://www.open streetmap.org/#m ap=18/36.036020 /-86.787600

https://google.co m/maps?q=36.03 6020,-86.787600



# Demo



Link to Open Street Maps
Link to Google Maps



# Demo



Link to Google Maps using geolocation



#### Embed with API

Download a JavaScript library

Create a 'map' object

Pass in latitude and longitude

Provide <div> to display map



# Embed a Map Using Mapping APIs

Google
~28k calls / month (\$200 credit)
\$7 / 1k thereafter

TomTom 2,500 calls / day \$0.42 - \$0.50 / 1k thereafter

MapBox 50k calls / day \$0.50 / 1k thereafter Here
250k calls / month
\$1 / 1k therafter



# Demo



**Embed using OpenLayers** 



# Module Summary



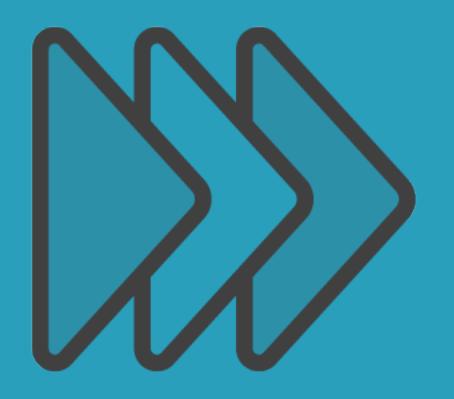
Not all map services are created equal

Vary widely in...

- Features
- API calls
- Pricing

You decide what features you need





# Coming up next...

Embed Maps Using the Google Maps API

- Embed a Google Map
- Add Markers and Windows

