

CS1520  
11/16/2012  
Recitation 10  
Javascript and Google Maps

**Begin:**

In order to use the API, you must obtain a key. Go to <https://code.google.com/apis/console/> and register with your gmail account. You will need this for the final project, so it will be helpful to do now.

Once at the site, click on API access and then create a Client ID. You do not need a fancy picture or site yet. It will be a web application, and for the site, use the `cs1520.cs.pitt.edu` with your username (or project at the end (make the):

`cs1520.cs.pitt.edu/~cmt69/php.`

You will then be given some information about your new API account. We still need to activate the maps, so click on services and turn maps on.

**Hello World (in the literal sense):**

For this part, we will test that our keys and api's are set up correctly by completing the simple hello world application. This will just load a map center in Australia (of all places). Change it so that it is focused over Pittsburgh on reload. We will use `hello-html.txt`

(HINT: <http://universimedia.pagesperso-orange.fr/geo/loc.htm>)

**Hello World Marker:**

Now that we have a map, we want to add stuff to it. For this part, we will add a marker over Pittsburgh. To add a marker, look at `hello-marker-html.txt`.

**Multi Markers: Combining Javascript with PHP**

Of course, manually doing this is both boring and tedious. We would want to auto generate these markers. To do this, I made a location table in the SHARED database. Simply connect to it and generate a marker for each row where the hover over text is the city name. (It is a bit harder than it seems.)

**Get Location:**

Since this is a web development class, and you will likely use this in a webpage ;), we need to get location information from the browser. Google makes this easy for us (like most things), we just need to add a little bit more javascript to do so. `Location-js.txt` should help you (I shamelessly stole it from google). If we are short on time, I will just show you.