ZipCode Data Configuration and Support

Active boundaries API account:

* The application will allow a user to view the crime level of a given area. To support that functionality individual zip code areas on the map will be shaded a color to reflect the crime level for that specific zip code.
* Google map api has built in methods that will plot polygons onto a map object. The boundaries.api (https://market.mashape.com/vanitysoft/boundaries-io/overview) does converts geographic and political boundaries (such as a zip code) into a geoJSON file of polygons that google map api can use.
* The cost of the boundaries api is $15 for a single month. The zip code polygons will only be reviewed once a year, to ensure that any changes in zip code boundaries are included in the application, so the total cost of this service for the year is $15.
* To apply for a monthly subscription, click on the : <https://market.mashape.com/vanitysoft/boundaries-io/pricing> and click on the “subscribe” button and provide payment information. 

Download Zip Code Polygon Data:

* Once you have provided payment information, you can access the api here: <https://market.mashape.com/vanitysoft/boundaries-io>
  + fill in the fields of the form as shown in the example below. The list of zip codes you will enter are 97201,97202, 97203,97204,97205,97206,97209,97210,97211,97212,97213,97214,97215,97216,97217,97218,97219,97220,97221,97227,97229,97230,97231,97232,97233,97236,97239,97266
  + click on the “TEST ENDPOINT” below the form. 
* The results of the query will be displayed on the right hand side of the page in the console window:

Save and validate zip code data:

* Click on the in the “Copy Response Body” icon near the top of the console. The icon looks like two pages over lapping one another. This will copy the output to the clipboard. Copy the input to a file and save with a .json extension.
* Delete the “header” of this file. The header will includes from the first line (HTTP/1.1 200 OK in the example above) up to but **NOT** including the first opening bracket“{“. You may save the file now.
* Validate the file is a properly formatted json file by using a json validation tool such as (<https://jsonformatter.curiousconcept.com/>).

Test zip code data related functions: