Milestone 2 MVP

For this milestone, our program pulls information from the database regarding the location of minor league stadiums, built from 2011 to 2016 throughout the United States, as well as the Census table names. Using this information, it gathers data from the areas surrounding each stadium via the Census APIs and writes the data to the database.

We are using the Sqlite3 database and have five tables. One table holds the stadium data; this includes: zip codes, city, the year it was built, county and state. Another table holds the Census table names and the description of the tables. The remaining tables are created by the program and hold the information obtained by the APIs. Each table holds data obtained from each distinct API used.

We manually found and entered the stadium information, which included the zip codes, names, year the stadium was built, state and county. This information was then used to search the Census API to obtain the state and county numbers associated with the location within the Census. Once these values were obtained they are used along with the year and Census table names to obtain specific housing, economic, and population demographics for these locations.

Below are some of the links used along with the information obtained from the Census tables:

<https://www.census.gov/content/dam/Census/programs-surveys/acs/guidance/training-presentations/20180614_API.pdf>

<https://factfinder.census.gov/faces/nav/jsf/pages/guided_search.xhtml#none>

<https://api.census.gov/data/2011/acs/acs1/subject?get=S1501_C01_001E,NAME&for=county:051&in=state:37>

S1501\_C01\_018E = % of people with ed level of high school or higher

S1902\_C01\_001E = mean income

S1903\_C01\_001E = median income

S1701\_C01\_034E = number of people in poverty status

S0101\_C01\_030E = median age

<https://api.census.gov/data/2011/acs/acs1/profile?get=DP03_0001E,DP03_0002E,DP04_0089E,NAME&for=county:051&in=state:37>

DP03\_0002E = number of people in labor force

DP03\_0062E = median household income

DP03\_0086E = median family income

DP03\_0090E = median non family income

DP03\_0092E = Median earnings for workers

[https://api.census.gov/data/2011/acs/acs1?get=NAME,B01001\_001E&for=county:\*&in=state:\*](https://api.census.gov/data/2011/acs/acs1?get=NAME,B01001_001E&for=county:*&in=state:*)

B01003\_001E = total population

B25103\_001E = median real estate tax

B25105\_001E = median monthly household costs

C25075\_001E = total number of houses in area

B25077\_001E = median home values

The remaning documentation, our code and database are both submitted along with this document and can be found in our github.

Link to github: <https://github.com/milsteam4144/GLAPS>

Link to DevOps: <https://dev.azure.com/GLAPS-Capstone/GLAPS>