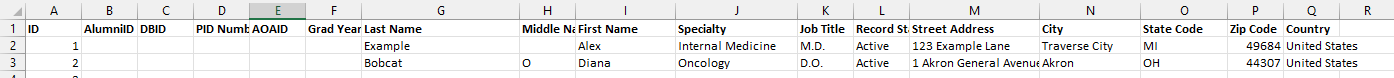
**Alumni HPSA & MUA/P Web Scraper Instructions**

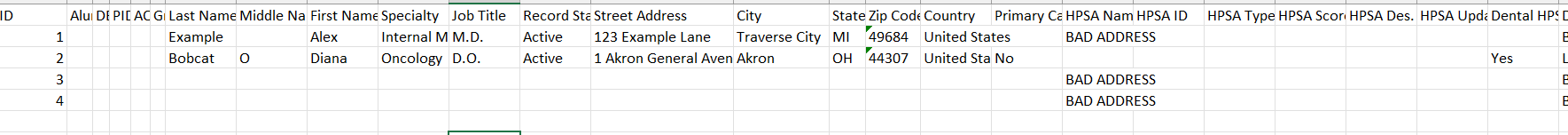
**How it Works:**

The scraper utilizes the data.hrsa.gov Shortage Area Location Tool, located ([here](https://data.hrsa.gov/tools/shortage-area/by-address)), to quickly collect HPSA and MUA/P data for a large set of individuals with current working addresses. The following program takes in an Excel file filled with Alumni Information, including addresses, and produces a file in the format:  which contains the input columns from the  Excel file as well as Primary Care HPSA, Dental HPSA, Mental HPSA, and MUA/P information retrieved from the HPSA tool.

**How to run the program:**

1. Ensure Python 3 is installed on your computer by going to <https://www.python.org/downloads/> and selecting the button that says Download Python 3.X.X
2. Copy all the files from the Share Drive onto your Desktop into the same folder
   1. There should be the following files:
      1. 
3. Open the  file and observe the following:
   1. 
   2. All the columns are optional fields except for the following used by data.hrsa.gov to find HPSA & MUA/P information
      1. Street Address
      2. City
      3. State Code – Two character state code listed here: <https://en.wikipedia.org/wiki/List_of_U.S._state_and_territory_abbreviations>
      4. Zip Code – 5 digit standard US zip code
4. Fill out all of the fields for all individuals you want to collect HPSA & MUA/P information for according to the format above
5. Open Command Prompt and navigate to the folder with your 2 files that were copied from the Share Drive and run the command: “python scraper.py”
   1. The command might take a minute or so before printing any output to the window
   2. Here is an example of what it should look like for the test input above:
   3. Text

      Description automatically generated
6. Once the program completes all filled lines in the  it will generate a  file. Here is an example of what it should look like:



* 1. You may notice that 3 of the 4 rows in this example list “BAD ADDRESS” as a HPSA name. If this occurs there are a few things that may cause this:

1. The address, as it is filled out in , is incorrect or incompatible with the data.hrsa.gov website
2. The address is empty

**Troubleshooting:**

1. Why is the HPSA name listed as “BAD ADDRESS”?
   1. If this occurs there are a few things that may cause this:
      1. The address, as it is filled out in , is incorrect or incompatible with the data.hrsa.gov website
      2. The address is empty
2. When I run the program with “python scraper.py” it says “'python' is not recognized as an internal or external command, operable program or batch file.”
   1. In this case ensure that Python is installed correctly and added correctly to your computers PATH variable.
      1. Python may also go by a different name depending on how it was installed so “python scraper.py” may be “python3 scraper.py” or “python3.X scraper.py” where X is the number for the Python version installed.