**Excel File Format:**

* The format of the excel files is critical for the program to run correctly.
* Below are examples and in-depth details on how to set up each file.
* The first file “Pennsylvania.xlsx” holds the bulk of the information and should be formatted as shown below (Figure 7 and 8 are the same file but could not fit in one screenshot). The information should be ordered from left the right and in the same order. Some of this information is not used in this project but I included it all to minimize confusion and to be comprehensive.

Graphical user interface, application, Word

Description automatically generated

Figure 1

Graphical user interface, application, table

Description automatically generated

Figure 2

* The “CountrySchoolsCounties.xlsx” file holds the District Name, City, County name, and State. Figure 9 shows the required layout for each attribute.

Graphical user interface, application, table

Description automatically generated

Figure 3

* The last files only hold all of the county information along with the longitude and latitude values. From left to right the information should have the longitude, latitude, number, street, city, district, region, postcode, ID, and HASH number.

Graphical user interface, application, table, Excel

Description automatically generated

Figure 4

**Location of these files in Eclipse:**

* This section will detail the location of these excel files as well as the shapefile being used.
* The “Pennsylvania.xlsx” file is located on the left-hand side in ‘states’ > ‘pennsylvania’. It is inside the highlighted ‘pennsylvania’ folder.
  + This contains specific information for each school.
* The .shp and .dbf files are also located in ‘states’ > ‘pennsylvania’.
  + Used to get district polygon and select addresses
* The files containing the addresses are also located in ‘states’ > ‘pennsylvania’.
  + These addresses are currently split up by counties.

Graphical user interface, text, application

Description automatically generated

Figure 5

* The “CountrySchoolsCounties.xlsx” file is also located on the left-hand side and is not in any folder.
  + This contains all of the county names and with the district names.

Graphical user interface, text, application

Description automatically generated

Figure 6