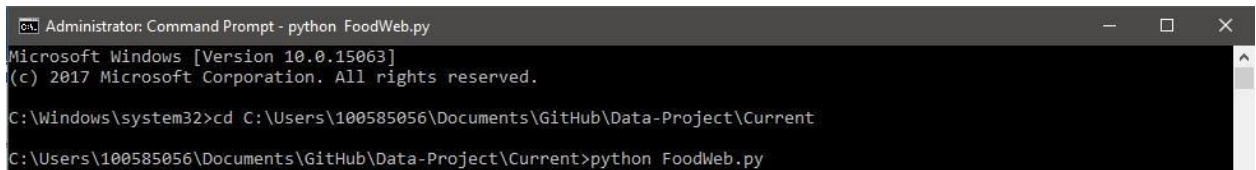# Read Me: Guide to using our code

To use our code to run the website and generate our database, follow these steps:

1. Install Python 2.7 (Python 3 can be used, but then "import urllib as urllib2" should be changed to import "urllib.request as urllib2" for CreateAll.py and AddFoodsNutrientsManu.py)

2. Install Flask as well using "pip install flask"

3. When you have flask install WTF-forms using commands "pip install WTForms"

4. Install RESTful using "pip install flask-restful"

5. Install wtforms using "pip install flask_wtf"

6. After Completing Python installation, open Windows Command Prompt (cmd) and go the file location with "cd" command. Ensure you have FoodWeb.py and datab.db, next to view folder (which contains _base.html, index.html, results.html, search.html, views.html, About_Us.html). Proceed by typing "python FoodWeb.py" into the Command Prompt (if this does not work run try typing "FoodWeb.py" in the command prompt instead, or run it in PyCharm if this does not work).

7. Open localhost:5000 in a browser, this will take you to our website's main page. Ensure the browser is in full screen, to make sure you can see the entire web page and proper navbar. From here you can navigate the website by using the navbar. Views tab brings us to a drop-down, where you can select a view to see results. The search tab brings users to a list of foods that can be filtered by name, rating, category, or manufacturer. You can select a food from the list by clicking on it, to see more information about that food, as well as recent reviews. Furthermore, you can also add a review about the food item.

8. To use our api, go to localhost:5000/api/<food_id>. For example, localhost:5000/api/17135 will show you a JSON file with the information.

9. If you want to generate a database, delete the previous database, data.db, and run CreateAll.py, AddFoodsNutrientsManu.py, and then AddReviews.py. To view the database, use any database viewer (we used DBBrowser for SQLite.) (AddFoodsNutrientsManu.py will take around 10 minutes)