

Files in folder:

- final_project.py is the python file with our code to run.
- This is the README.pdf file.
- Data for 326 - Sheet1.csv is the recipe data.

From the command line, you will type “python final_project.py Data for 326 - Sheet1.csv”

(Instead of Data for 326 - Sheet1.csv you can opt to use another csv file in the same format.)

All information given by the program is described in print statements. The code will ask the user to input which task they would like completed. The options are given as a numbered list. If you would like to choose option 1, you will input “1”, not the full option.

Method/function	Primary author	Techniques demonstrated
Recipe class RecipeManager class ShoppingListm class	Jordan Ades	Composition of two custom classes
Parse_args function	Jordan Ades	The ArgumentParser class from the argparse module
__init__ method in Recipe class	Jordan Ades	optional parameters and/or keyword arguments
Search_for_ingredient method	James Swift	conditional expressions
__add__ method in ShoppingList class	James Swift	set operations on sets or frozensets
recipe_count method in RecipeManager class	Anthony Le	f-strings containing expressions
chart_recipes method in RecipeManager class	Anthony Le	visualizing data with pyplot or seaborn
categorize_recipes method in RecipeManager class	Ikenna Ikechi	comprehensions or generator expressions
__str__ method in Recipe class	Ikenna Ikechi	magic methods other than __init__()
display_all_recipes method in RecipeManager class	Jesse Ankrah	sequence unpacking

sort_recipes method in RecipeManager class	Jesse Ankrah	use of a key function (which can be a lambda expression) with one of the following commands: list.sort(), sorted(), min(), or max()
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