Link to Product Presentation: https://youtu.be/eG6vAQPBTes

Modules to be installed:

1. Install module ‘tkinter’:
    - Open Python shell terminal
    - Run command ‘pip install tkinter’

2. Install module ‘ics’:
    - Open Python shell terminal
    - Run command ‘pip install ics’

3. Install module ‘PIL’:
    - Open Python shell terminal
    - Run command ‘pip install PIL’

Other Modules being used:

1. Module ‘pandas’
2. Module ‘time’
3. Module ‘datetime’
4. Module ‘os’
5. Module ‘random
6. Module ‘requests’
7. Module ‘bs4’

API Tokens being used:

1. Airtable token:
   Description: Airtable is an online database. In our project’s context, Airtable has a table of curated recipes that we are using in our master datasheet. To access and download the table from Airtable, we are using an API with the below token.

   BASE_ID: ‘appuDSkKssseYbWca’
   TABLE_NAME: ‘Recipes’
   API Endpoint: ‘https://api.airtable.com/v0/appuDSkKssseYbWca/Recipes'
   Personal_access_token :
   "pathgqLRr5ZLa9dwP.50686d9245ee92d0625b83facab4ffcf7f828655a80515232e8bebc5
   3235737e"

2. FoodData Central:

   Description: We have used this database maintained byFoodData Central to get nutrient information of the recipe ingredients.

   api_key = "SKtqQnurF9xe5w7wLo20Ze93d6seHovbMod7lRHi"

   Api endpoint = https://api.nal.usda.gov/fdc/v1/foods/search?api_key={api_key}&query={ingredient}&limit=1

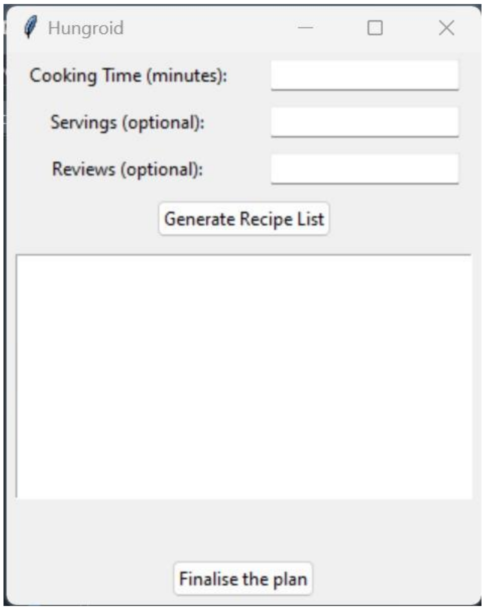
   We can sign up to gain access at: https://fdc.nal.usda.gov/api-key-signup.html

Overview of the package:

1. group_b5_hungeroid.py : main file which calls the master data extraction and provides a UI.
2. process.py : file handling the data extraction of all data sources.
3. web_all_recipes.py : file extracting recipe data from website ‘https://www.allrecipes.com/’
4. baseFilePaleo.py : file extracting recipe data from website ‘https://ultimatepaleoguide.com/’
5. txt_mastercook.py : file extracting recipe data from txt file https://mc6help.tripod.com/RecipeLibrary/AllBreakfastRecipes.txt
6. token_airtable.py : file extracting recipe data from Airtable
7. df_csv_writer.py : contains standardized DataFrame initialization and .csv writing code

How to install and run:

1. Download zip file B1_Group5.zip
2. Run hungeroid.py
3. A user interface will pop up. Enter values into fields ‘Servings’, ‘Cooking Time’, ‘Reviews’ to meet your needs.

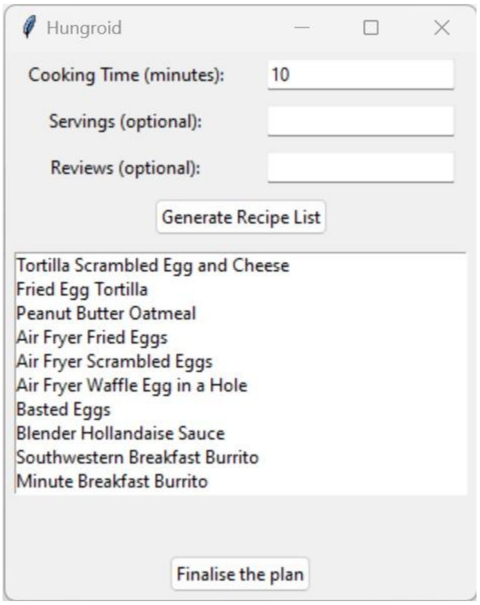


Cooking Time (minutes):

Servings (optional):

Reviews (optional):

4. Auto selected recipes meeting the criterias would be displayed.



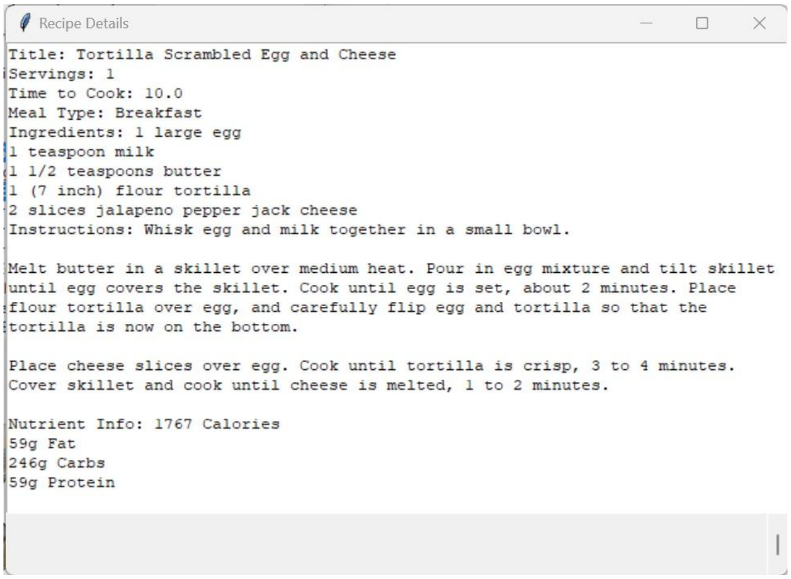
Cooking Time (minutes): 10

Servings (optional):

Reviews (optional):

```
Tortilla Scrambled Egg and Cheese
Fried Egg Tortilla
Peanut Butter Oatmeal
Air Fryer Fried Eggs
Air Fryer Scrambled Eggs
Air Fryer Waffle Egg in a Hole
Basted Eggs
Blender Hollandaise Sauce
Southwestern Breakfast Burrito
Minute Breakfast Burrito
```

5. Users can double click on recipe titles to view their details.



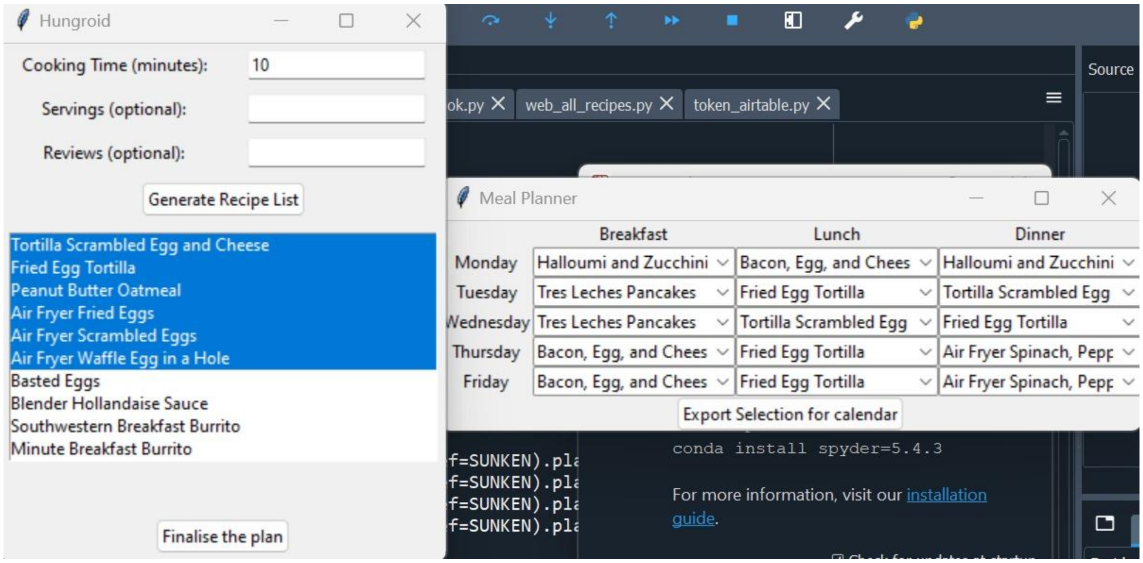
```
Title: Tortilla Scrambled Egg and Cheese
Servings: 1
Time to Cook: 10.0
Meal Type: Breakfast
Ingredients: 1 large egg
1 teaspoon milk
1 1/2 teaspoons butter
1 (7 inch) flour tortilla
2 slices jalapeno pepper jack cheese
Instructions: Whisk egg and milk together in a small bowl.

Melt butter in a skillet over medium heat. Pour in egg mixture and tilt skillet
until egg covers the skillet. Cook until egg is set, about 2 minutes. Place
flour tortilla over egg, and carefully flip egg and tortilla so that the
tortilla is now on the bottom.

Place cheese slices over egg. Cook until tortilla is crisp, 3 to 4 minutes.
Cover skillet and cook until cheese is melted, 1 to 2 minutes.

Nutrient Info: 1767 Calories
59g Fat
246g Carbs
59g Protein
```

6. If the user wishes so, they can replace current recipe selection with other choices.



Cooking Time (minutes): 10

Servings (optional):

Reviews (optional):

Tortilla Scrambled Egg and Cheese
Fried Egg Tortilla
Peanut Butter Oatmeal
Air Fryer Fried Eggs
Air Fryer Scrambled Eggs
Air Fryer Waffle Egg in a Hole
Basted Eggs
Blender Hollandaise Sauce
Southwestern Breakfast Burrito
Minute Breakfast Burrito

	Breakfast	Lunch	Dinner
Monday	Halloumi and Zucchini	Bacon, Egg, and Chees	Halloumi and Zucchini
Tuesday	Tres Leches Pancakes	Fried Egg Tortilla	Tortilla Scrambled Egg
Wednesday	Tres Leches Pancakes	Tortilla Scrambled Egg	Fried Egg Tortilla
Thursday	Bacon, Egg, and Chees	Fried Egg Tortilla	Air Fryer Spinach, Pepp
Friday	Bacon, Egg, and Chees	Fried Egg Tortilla	Air Fryer Spinach, Pepp

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f=SUNKEN).pla
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f=SUNKEN).pla
```

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conda install spyder=5.4.3
```

For more information, visit our installation guide.

7. Generate the schedule.
8. The user can download the .ics file to their local and upload to their calendar app of choice.

meal_plan.ics 13-10-2023 22:32 Outlook.File.ics.15