Executive Summary

Please provide your GitHub repository link.

GitHub Repository URL: https://github.com/braithicus/2810ICT-Project-Management-Assignment.git

You should use your software to prepare an executive summary as outlined below for the five required features.

1. Food Search

Description

the food search feature allows the user to search for a food and have it output foods matching the input word with the ability to display the information
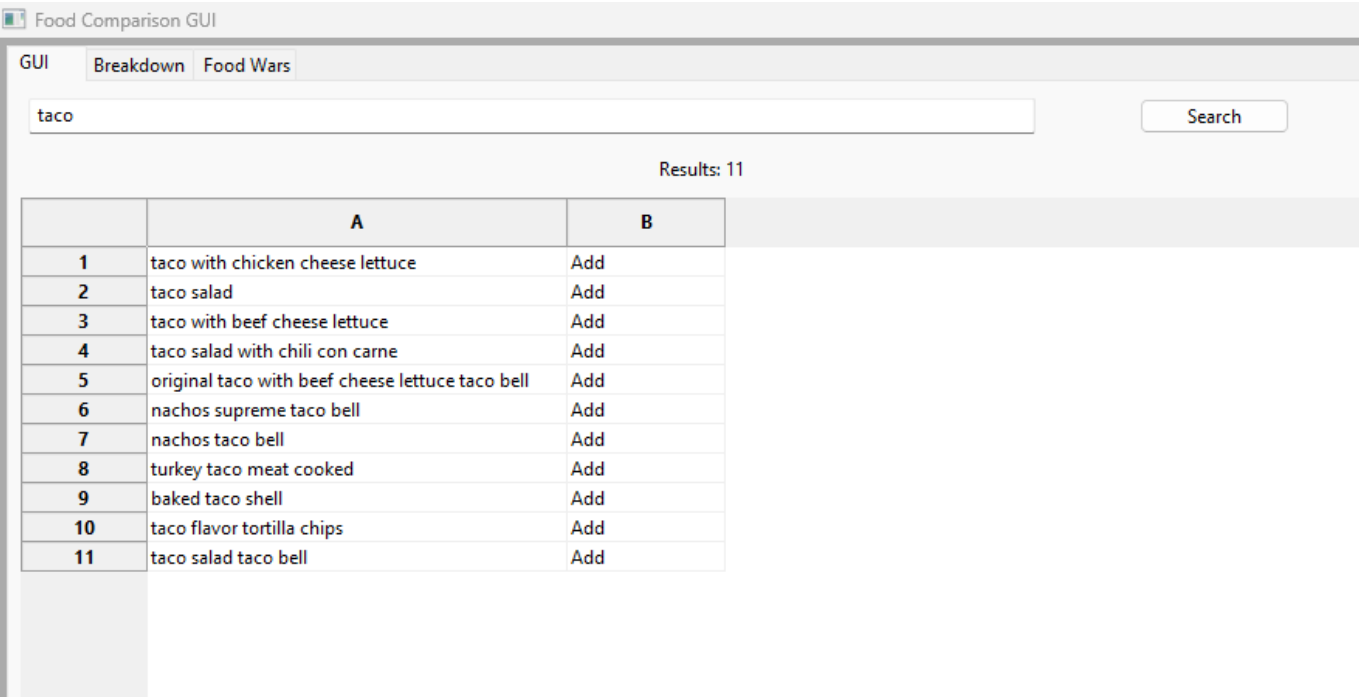
Steps

1. Input the food/keyword you wish to search by
2. Press the search button
3. Click the add button to add the food down to the table to display all the nutritional information about the food

Screenshots

	Select	Caloric Value	Fat	Saturated Fats	Monounsaturated Fats	Polyunsaturated Fats	Carbohydrates	Sugars	Protein	Dietary Fiber	Cholesterol	Sodium	Water	Vitamin A	Vitamin B1	Vitamin B11	Vitamin B12	Vitamin B2	Vitamin B3	Vitamin B5	Vitamin B6	Vitamin C
taco with chicken cheese lettuce		185	6.2	2.5	1.6	1.6	19.3	1.3	13.0	1.2	28.4	0.6	57.3	0.014	0.2	0.029	0.094	0.1	5.1	0.0	0.1	0.2
original taco with beef cheese lettuce taco bell		158	8.8	3.0	3.0	2.1	13.7	0.6	6.1	2.7	19.3	0.3	39.3	0.0	0.056	0.056	0.052	0.065	1.1	0.0	0.086	0.3
taco salad with chili con carne		193	8.8	4.0	3.0	1.0	17.7	0.0	11.6	0.0	3.5	0.6	133.6	0.1	0.1	0.067	0.063	0.3	1.7	1.0	0.3	2.3

2. Nutritional Breakdown

Description

The nutrition breakdown feature allows the user to breakdown the nutritional information for a specific food in the form of pie or bar graphs

Steps

1. Search a food you wish to visually assess its nutritional value in a graph
2. Click add to add the food to the bottom table
3. Select the check box of the food you wish to view in the pie or bar graph
4. Click the button of the graph you want twice for it to load up in an external window

Screenshots

Food Comparison GUI — □ ×

GUI   Food Wars

beer   [Search]

Results: 6

	A	B
1	beer light	Add
2	beer budweiser	Add
3	beer light budweiser	Add
4	beer	Add
5	root beer	Add
6	heidelbeeren jutro	Add

	Select	Min	Max	Level
Caloric Value	☐	0		Mid
Fat	☐	0		Mid
Saturated Fats	☐	0		Mid
Monounsaturated Fats	☐	0		Mid
Polyunsaturated Fats	☐	0		Mid
Carbohydrates	☐	0		Mid
Sugars	☐	0		Mid
Protein	☐	0		Mid
Dietary Fiber	☐	0		Mid
Cholesterol	☐	0		Mid

Selected Foods

[Bar Breakdown] [Pie Breakdown] [Remove Selected]

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH

GUI   Food Wars

beer   [Search]

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Sugars	☐	0		Mid
Protein	☐	0		Mid
Dietary Fiber	☐	0		Mid
Cholesterol	☐	0		Mid

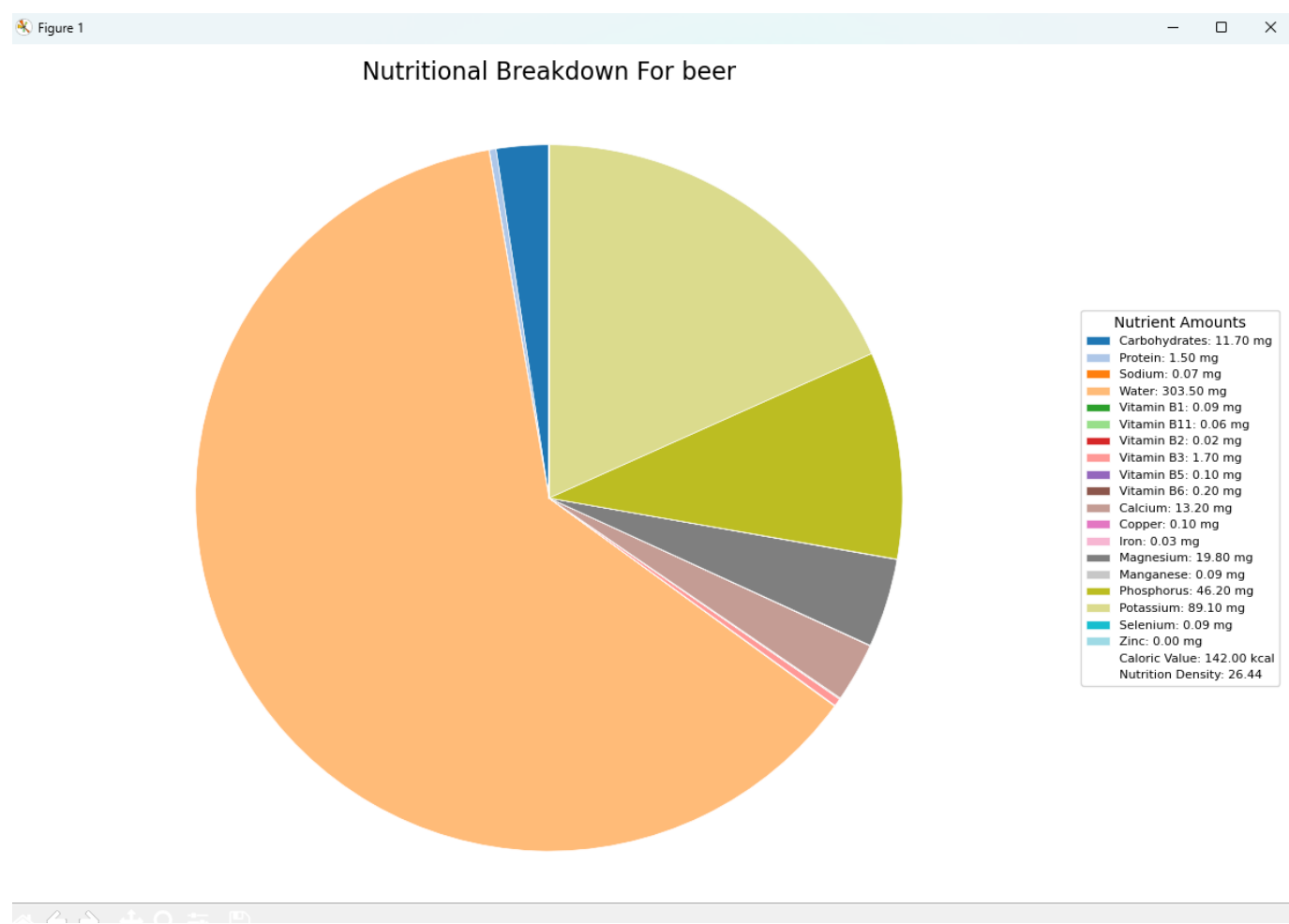**Selected Foods**

[Bar Breakdown] [Pie Breakdown] [Remove Selected]

	Select	Caloric Value	Fat	Saturated Fats	Monounsaturated Fats	Polyunsaturated Fats	Carbohydrates	Sugars	Protein	Dietary Fiber
beer	☐	142	0.0	0.0	0.0	0.0	11.7	0.0	1.5	0.0

GUI   Food Wars

beer			Search

Results: 6

	A	B
1	beer light	Add
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	Select	Min	Max	Level
Caloric Value	☐	0		Mid
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Monounsaturated Fats	☐	0		Mid
Polyunsaturated Fats	☐	0		Mid
Carbohydrates	☐	0		Mid
Sugars	☐	0		Mid
Protein	☐	0		Mid
Dietary Fiber	☐	0		Mid
Cholesterol	☐	0		Mid

Selected Foods

Bar Breakdown	Pie Breakdown	Remove Selected

	Select	Caloric Value	Fat	Saturated Fats	Monounsaturated Fats	Polyunsaturated Fats	Carbohydrates	Sugars	Protein	Dietary Fiber
beer	☑	142	0.0	0.0	0.0	0.0	11.7	0.0	1.5	0.0

Figure 1   — □ ✕

Nutritional Breakdown For beer

Nutrient Amounts
Carbohydrates: 11.70 mg
Protein: 1.50 mg
Sodium: 0.07 mg
Water: 303.50 mg
Vitamin B1: 0.09 mg
Vitamin B11: 0.06 mg
Vitamin B2: 0.02 mg
Vitamin B3: 1.70 mg
Vitamin B5: 0.10 mg
Vitamin B6: 0.20 mg
Calcium: 13.20 mg
Copper: 0.10 mg
Iron: 0.03 mg
Magnesium: 19.80 mg
Manganese: 0.09 mg
Phosphorus: 46.20 mg
Potassium: 89.10 mg
Selenium: 0.09 mg
Zinc: 0.00 mg
Caloric Value: 142.00 kcal
Nutrition Density: 26.44

Figure 1   — □ ✕

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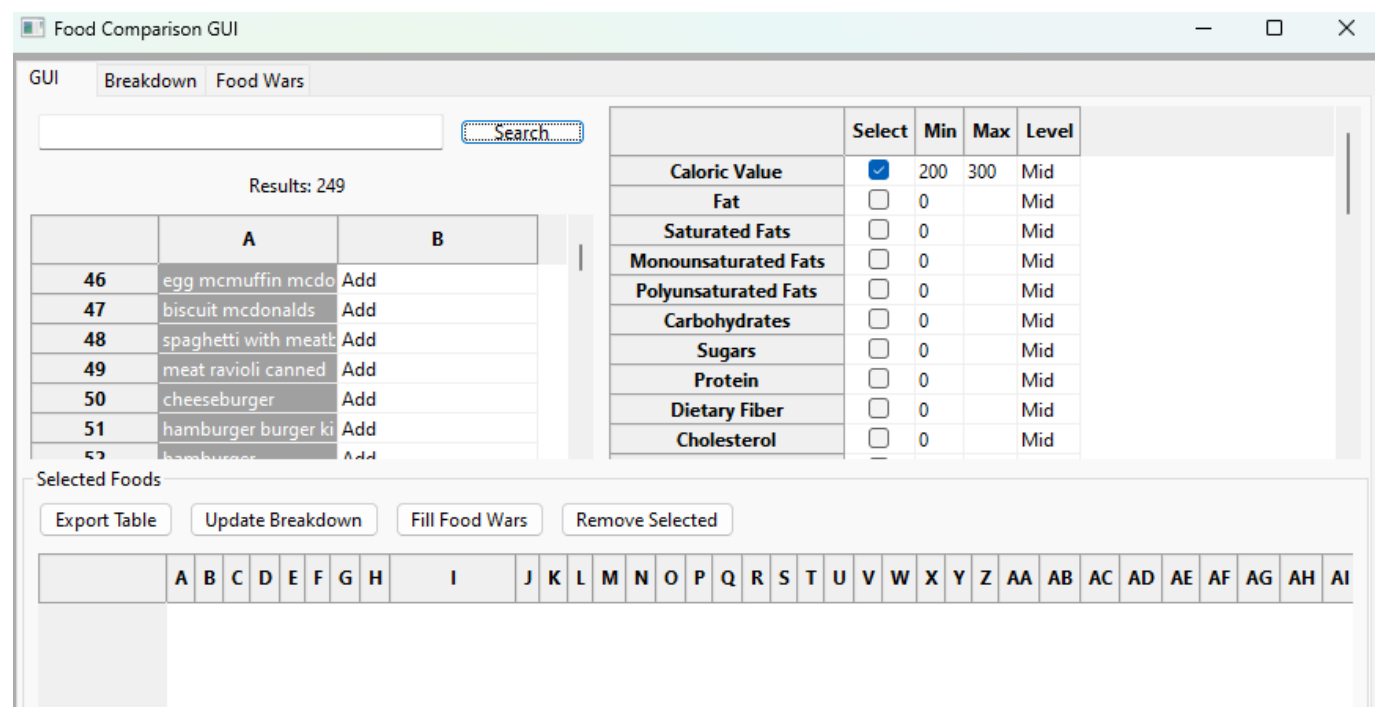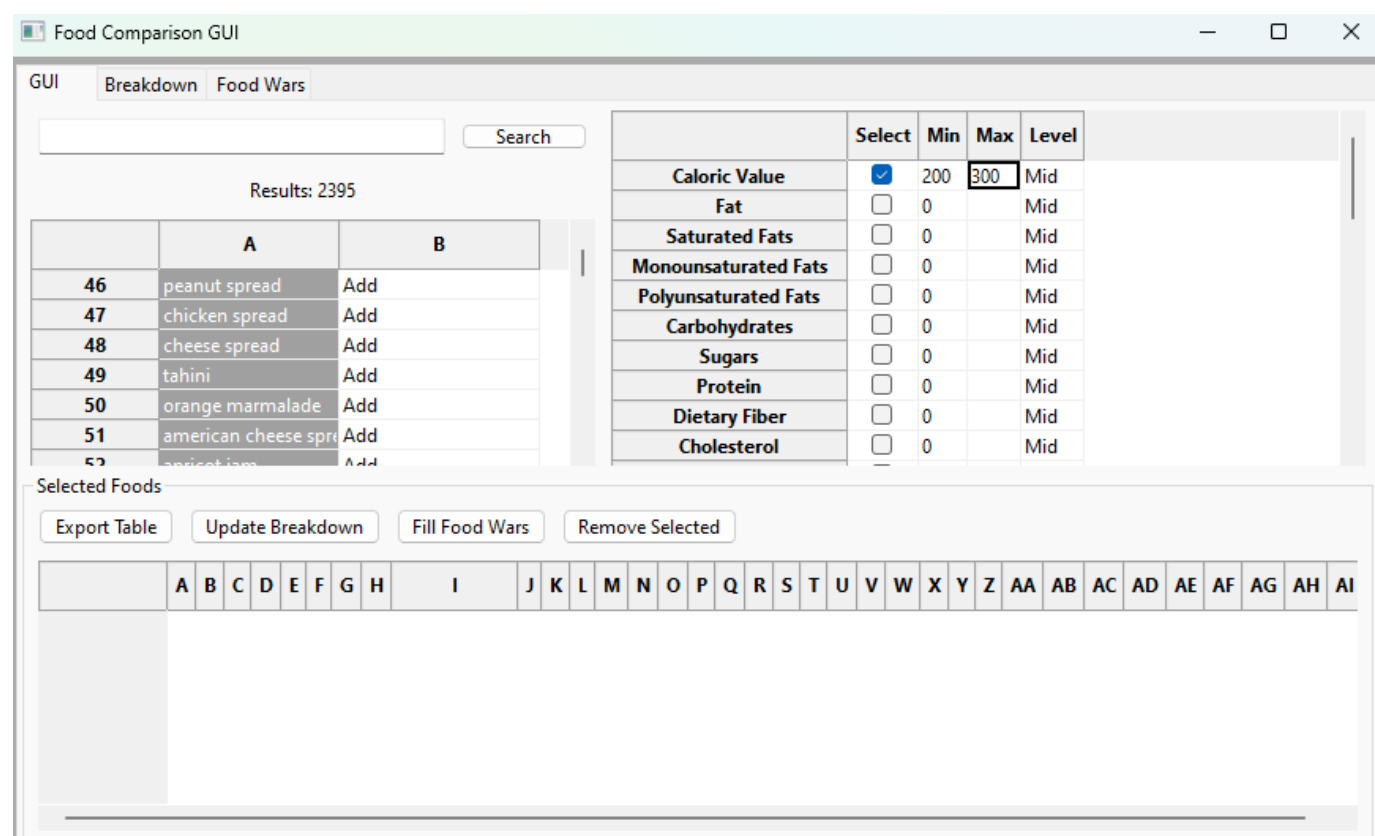- Nutrition Density: 26.44

3. Nutrion Range Filter

Description

The nutrition range filter feature allows the user to select one nutrition and input minimum & maximum values, and the tools will display a list of foods that fall into those ranges

Steps

1. Select a rnutrition in the side table
2. Enter a value in the min and max coloumn
3. Press search to show the foods that fall within that category

Screenshots

4. Nutrition Filter Function

Description

The nutrtion filter function feature allows the user to select ranges of low, medium and high for nutritional information such as fats, protein carbohydrates, sugar and nutritional density to compare the foods that fall within the ranges visually

Steps

1. Select a rnutrition in the side table
2. Select low, mid, high from the frop down menu
3. Press search to show the foods that fall within that category

Screenshots
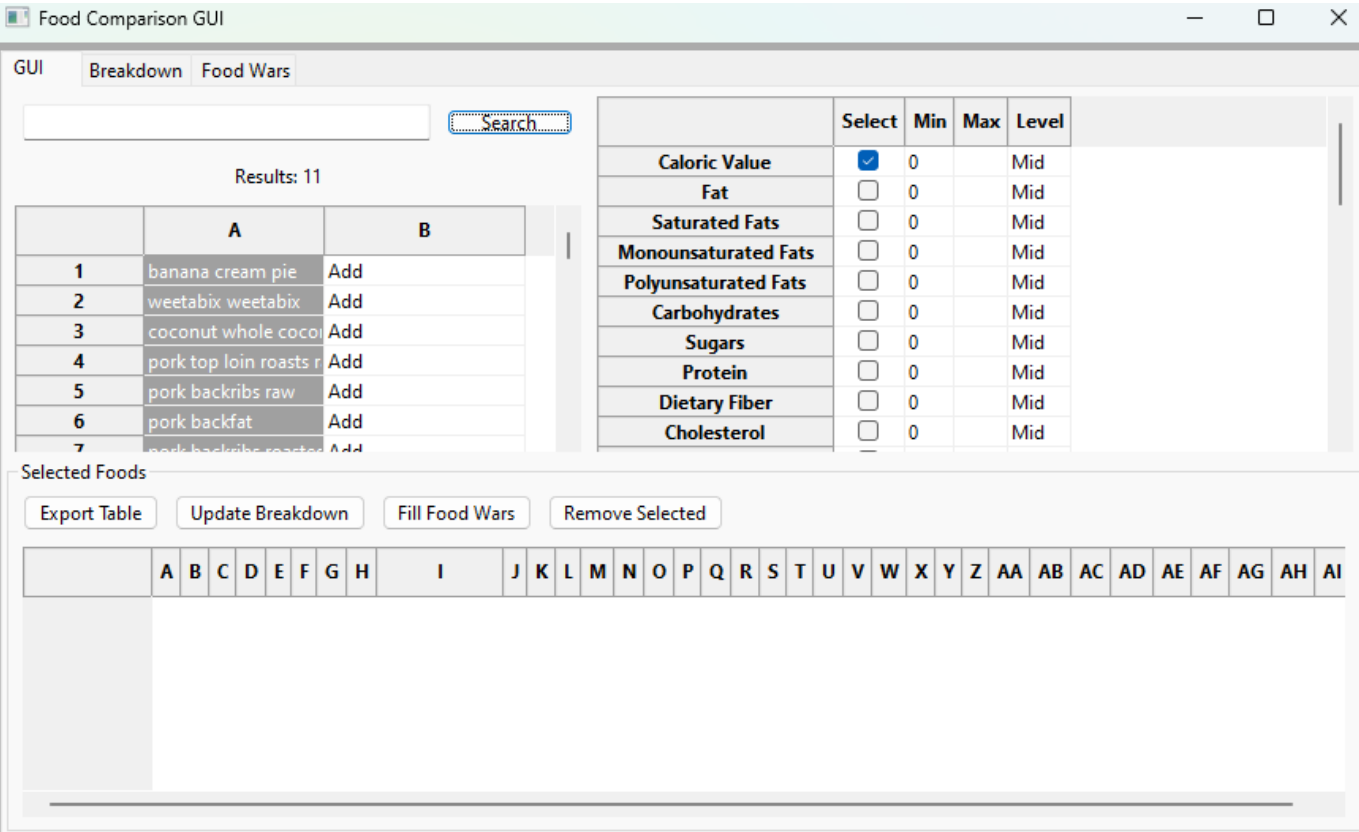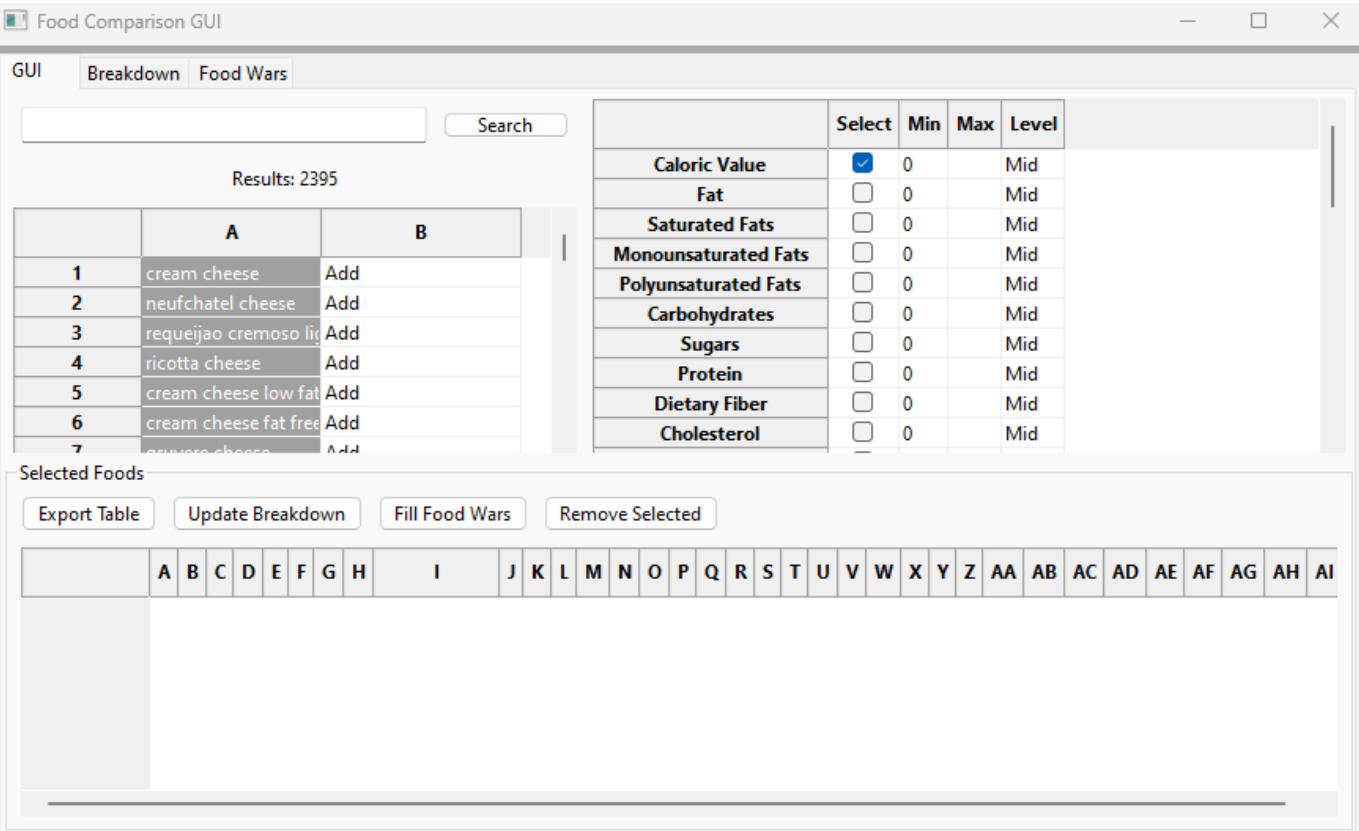
5. Food Wars

Description

The feature of food wars allows the user to input up to 5 foods with a minimum of 2 and select a nutrition from the drop down menu and it will allow the user to compare the foods on a graph

Steps

1. Switch to the food wars page by selecting it at the top
2. Input 2-5 foods into the input bars
3. select a nutrition from the drop down menu
4. click compare once you have finished and it will produce a graph

Screenshots

Food Wars: The Water Battles