

# Executive Summary

GitHub Repository URL: [https://github.com/UniKatya/Milestone2\\_Group19.git](https://github.com/UniKatya/Milestone2_Group19.git)

## 1. Food Search

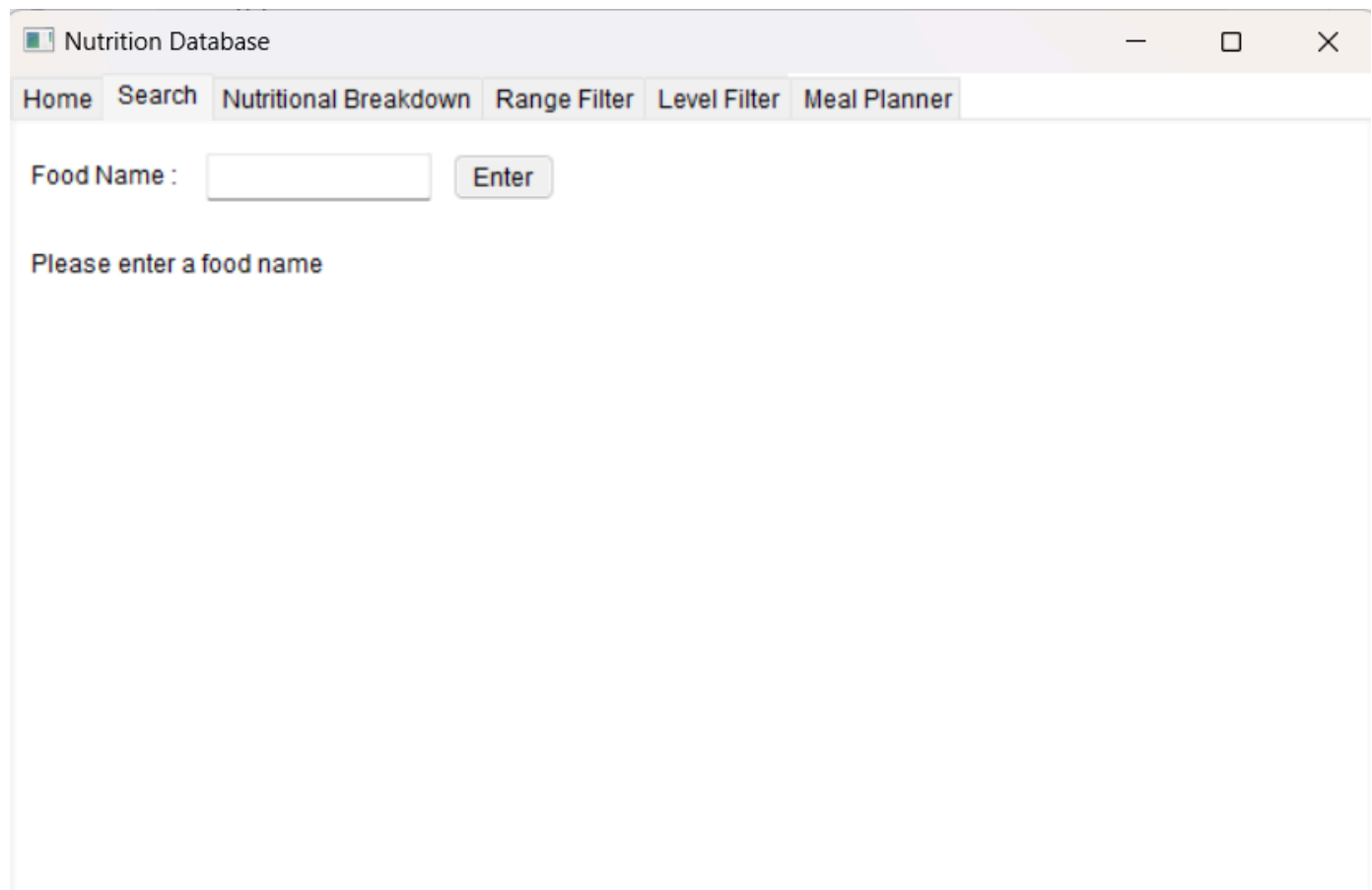
### Description

Allows for the user to search for food by name and show the nutritional information from this search.

### Steps

1. The user selects 'Search' from the navigation bar.
2. The user clicks the input box and enters the name of their desired food item.
3. The user clicks the 'Enter' button.

### Screenshots



The screenshot displays a web application window titled "Nutrition Database". The interface features a navigation bar with five tabs: "Home", "Search", "Nutritional Breakdown", "Range Filter", and "Meal Planner". The "Search" tab is currently selected. Below the navigation bar, there is a form with the label "Food Name :" followed by a text input field and an "Enter" button. A message "Please enter a food name" is displayed below the input field, indicating that the user has not yet entered a search term.

Nutrition Database

Home

Search

Nutritional Breakdown

Range Filter

Level Filter

Meal Planner

Food Name :

Cream cheese

Enter

Please enter a food name

Nutrition Database

Home

Search

Nutritional Breakdown

Range Filter

Level Filter

Meal Planner

Food Name :

Cream cheese

Enter

Cream cheese

	Nutrient	Value
1	Caloric Value	51.0
2	Fat	5.0
3	Saturated Fats	2.9
4	Monounsaturated Fats	1.3
5	Polyunsaturated Fats	0.2
6	Carbohydrates	0.8
7	Sugars	0.5
8	Protein	0.9
9	Dietary Fiber	0.0
10	Cholesterol	14.6
11	Sodium	0.016
12	Water	7.6

## 2. Nutritional Breakdown

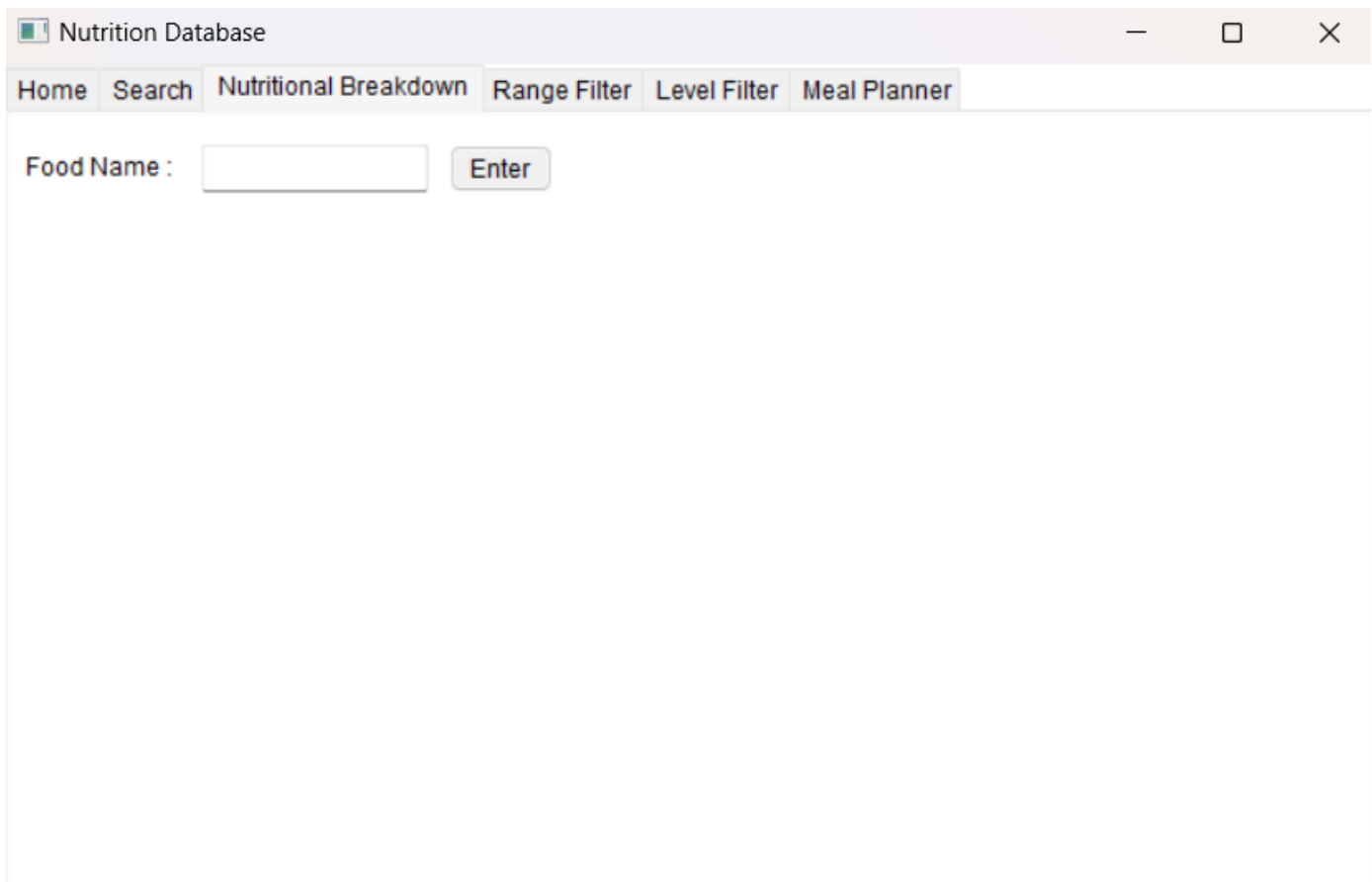
### Description

Allows for the user to see a pie chart and bar graph showing the breakdown of different nutrients from food they have chosen.

### Steps

1. The user selects 'Nutritional Breakdown' from the navigation bar.
2. The user clicks the input box and enters the name of their desired food item.
3. The user clicks the 'Enter' button.

### Screenshots



The screenshot displays a web application window titled "Nutrition Database". The window features a navigation bar with five tabs: "Home", "Search", "Nutritional Breakdown", "Range Filter", and "Meal Planner". The "Nutritional Breakdown" tab is currently selected. Below the navigation bar, there is a form with the label "Food Name :" followed by a text input field and an "Enter" button. The rest of the page content is blank.

Nutrition Database

Home

Search

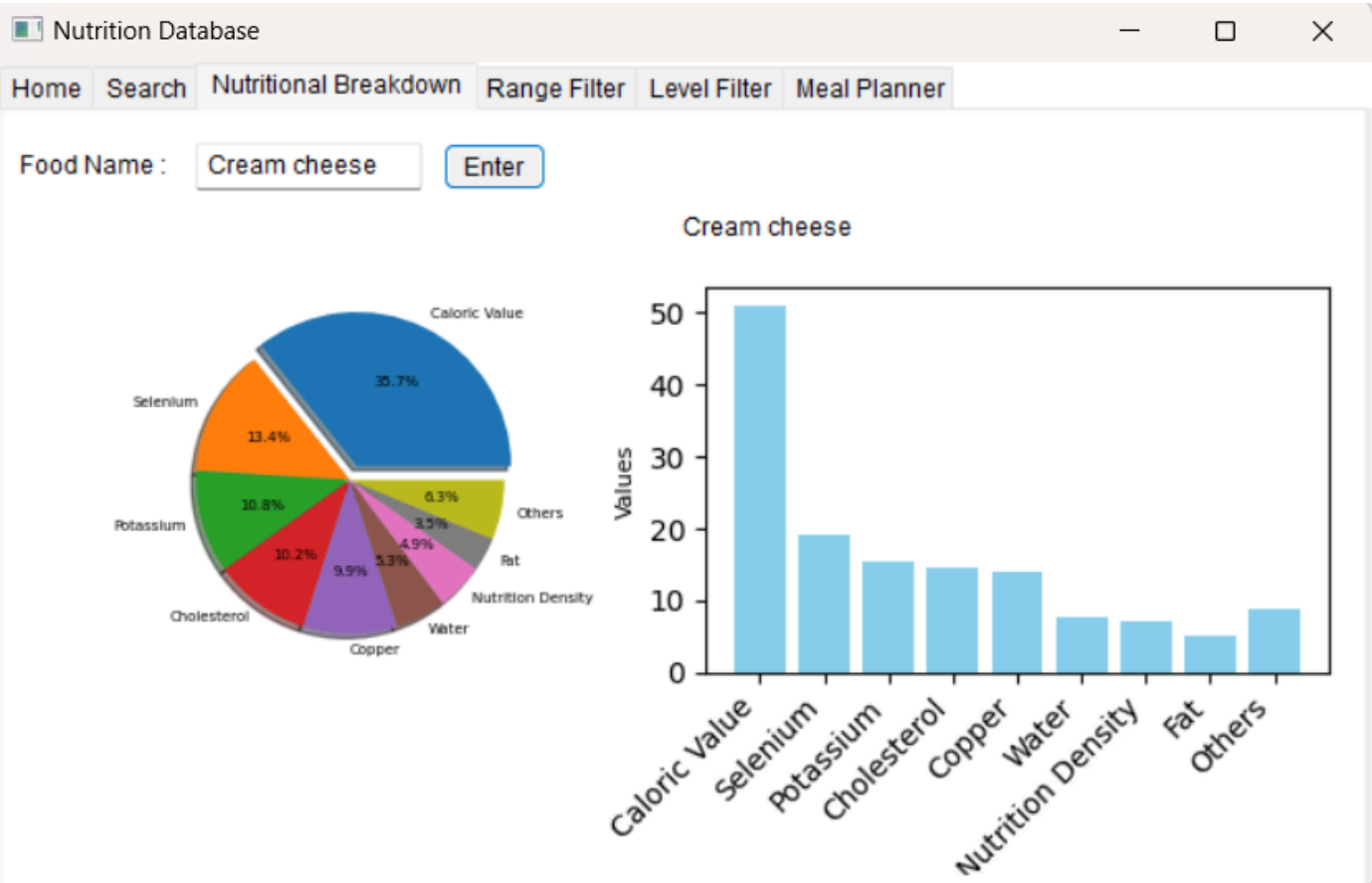
Nutritional Breakdown

Range Filter

Level Filter

Meal Planner

Food Name :



### 3. Nutrient Level Filter

#### Description

Allow for the user to search for specific nutrient (including fat, protein, carbohydrates, sugar, and nutritional density) based on a particular level (low, medium, high).

#### Steps

- 1. User selects 'Level Filter' from the navigation bar.
- 2. User selects a nutrient from the choice box.
- 3. User selects a level from one of the three radio boxes (low, medium, high).
- 4. User clicks the 'Enter' button.

#### Screenshots

Include screenshots for each step demonstrating the use of this feature.

Nutrition Database

Home

Search

Nutritional Breakdown

Range Filter

Level Filter

Meal Planner

Select Nutrient :

Fat

Low

Mid

High

Enter

	A	B	C	D	E
1					
2					
3					
4					
5					

Nutrition Database

Home

Search

Nutritional Breakdown

Range Filter

Level Filter

Meal Planner

Select Nutrient :

Fat

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

Vitamin D

Vitamin E

☐ Low

☐ Mid

☐ High

Enter

	B	C	D	E

Nutrition Database

Home

Search

Nutritional Breakdown

Range Filter

Level Filter

Meal Planner

Select Nutrient :

Fat

☐ Low

☒ Mid

☐ High

Enter

	A	B	C	D	E
1					
2					
3					
4					
5					

Nutrition Database

Home

Search

Nutritional Breakdown

Range Filter

Level Filter

Meal Planner

Select Nutrient :

Fat

☐ Low

☒ Mid

☐ High

Enter

	food	Fat
1	babassu oil	218.0
2	menhaden fish oil	218.0
3	nutmeg butter oil	218.0
4	pork arm picnic cooked	322.7
5	pork arm picnic raw	343.4
6	pork backribs roasted	188.9
7	pork belly raw	240.5
8	pork spareribs raw	303.5
9	pork top loin roasts raw	182.8
10	sheanut oil	218.0
11	tomatoseed oil	218.0

## 4. Nutrient Range Filter

### Description

Allows for the user to input a minimum and maximum value for specified nutrients and show the foods that fall within these ranges as list.

### Steps

1. The user selects 'Range Filter' from the navigation bar.
2. The user selects a nutrient from the choice box.
3. The user enters a minimum value for the nutrient.
4. The user enters a maximum value for the nutrient.
5. The user clicks the 'Enter' button.

### Screenshots

Include screenshots for each step demonstrating the use of this feature.

Nutrition Database

Home

Search

Nutritional Breakdown

Range Filter

Level Filter

Meal Planner

Select Nutrient :

Fat

Min:

Max:

Enter

	A	B	C	D	E
1					
2					
3					
4					
5					

Nutrition Database

Home

Search

Nutritional Breakdown

Range Filter

Level Filter

Meal Planner

Select Nutrient :

Fat

Min:

Max:

Enter

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

Vitamin D

Vitamin E

	B	C	D	E



Nutrition Database

Home

Search

Nutritional Breakdown

Range Filter

Level Filter

Meal Planner

Select Nutrient : 

Fat

 Min: 

4

 Max: 

Enter

	A	B	C	D	E
1					
2					
3					
4					
5					

Nutrition Database

Home

Search

Nutritional Breakdown

Range Filter

Level Filter

Meal Planner

Select Nutrient : 

Fat

 Min: 

4

 Max: 

10

Enter

	A	B	C	D	E
1					
2					
3					
4					
5					

Nutrition Database

Home
Search
Nutritional Breakdown
Range Filter
Level Filter
Meal Planner

Select Nutrient :
Fat
Min:
4
Max:
10
Enter

	food	Fat
1	acorn dried	8.9
2	acorn raw	6.8
3	almond butter	8.9
4	almond granola bar	6.1
5	almond rice bar	5.7
6	american cheese	7.9
7	apple crisp	9.7
8	apple croissant	5.0
9	apple strudel	8.0
10	apricot kernel oil	4.5
11	arepa	5.3
12	arroz con abichuelas	5.4
13	arroz con frijoles	5.6
14	arroz con grandules	5.7

## 5. Meal Planner

### Description

Allows for the user to plan meals and calculate the total calories for a day. This includes features such as the ability to input a food and a specific quantity, calculate the total caloric count, delete certain food items, display the meal plan to the user, and display selected food from the meal plan.

### Steps

1. The user selects 'Meal Planner' from the navigation bar.
2. The user clicks the input box (called Food Name) and enters the name of their desired food item.
3. The user clicks the input box (called Quantity) and enters the quantity of the food item.
4. The user clicks the 'Enter' button.
5. If the user wishes to see more in depth information from selected food items, they can click the input box on the bottom right and enter the name of a meal food item.
6. The user clicks the 'Show' button below the bottom right input box.
7. If the user wishes to delete a specific meal item from the meal plan, they can click the 'Delete' button on the top right where the food details are shown for the selected item.

### Screenshots

Nutrition Database

Home

Search

Nutritional Breakdown

Range Filter

Level Filter

Meal Planner

Daily Calories:    xxxx

Food Name:

Quantity: 

Enter

Food Details:

Food

Quantity

xxxx calories

Delete

MEAL PLANNER

Food

Quantity

Enter a name to look at food details:

Show

Nutrition Database

Home

Search

Nutritional Breakdown

Range Filter

Level Filter

Meal Planner

Daily Calories:    xxxx

Food Name: Cream cheese

Quantity: 

Enter

Food Details:

Food

Quantity

xxx calories

Delete

MEAL PLANNER

Food

Quantity

Enter a name to look at food details:

Show

Nutrition Database

Home

Search

Nutritional Breakdown

Range Filter

Level Filter

Meal Planner

Daily Calories:   xxx

Food Name:

Quantity:

Food Details:

Food

Quantity

xxx calories

MEAL PLANNER

	Food	Quantity
--	------	----------

Enter a name to look at food details:

Nutrition Database

Home

Search

Nutritional Breakdown

Range Filter

Level Filter

Meal Planner

Daily Calories:   153

Food Name:

Quantity:

Food Details:

Food

Quantity

xxx calories

MEAL PLANNER

	Food	Quantity
1	cream cheese	3

Enter a name to look at food details:

Nutrition Database

Home

Search

Nutritional Breakdown

Range Filter

Level Filter

Meal Planner

Daily Calories: 153

Food Name:

Quantity:

Food Details:

Food

Quantity

xxx calories

MEAL PLANNER

	Food	Quantity
1	cream cheese	3

Enter a name to look at food details:

Nutrition Database

Home

Search

Nutritional Breakdown

Range Filter

Level Filter

Meal Planner

Daily Calories: 153

Food Name:

Quantity:

Food Details:

cream cheese

3

153 calories

MEAL PLANNER

	Food	Quantity
1	cream cheese	3

Enter a name to look at food details:

[Home](#) [Search](#) [Nutritional Breakdown](#) [Range Filter](#) [Level Filter](#) [Meal Planner](#)

Daily Calories: 0

Food Name: Quantity:  

Food Details:

Food

Quantity

xxx Calories

## MEAL PLANNER

	Food	Quantity
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Enter a name to look at food details: