Executive Summary

Please provide your GitHub repository link.

GitHub Repository URL: https://github.com/LowryZhao/Milestone1_Group48

1. [Food Search]

Description

Enable users to search for foods by name and display all the nutritional information.

Steps

1. After click "Login" button in Frame1, it will show the three main menu on the screen.
2. Click "Food Search" menu, it go to the application page "Food search nutrition information".
3. Enter the food name you want to search, and click "Food Search" button.
4. The relevant food and its nutrition information in the dataset will display in the listbox.

Screenshots

Settings   Sign Up/Login

HealthP

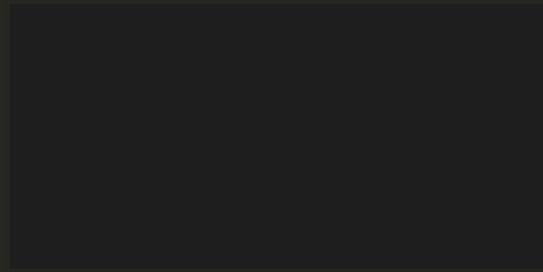# Nutrition Information

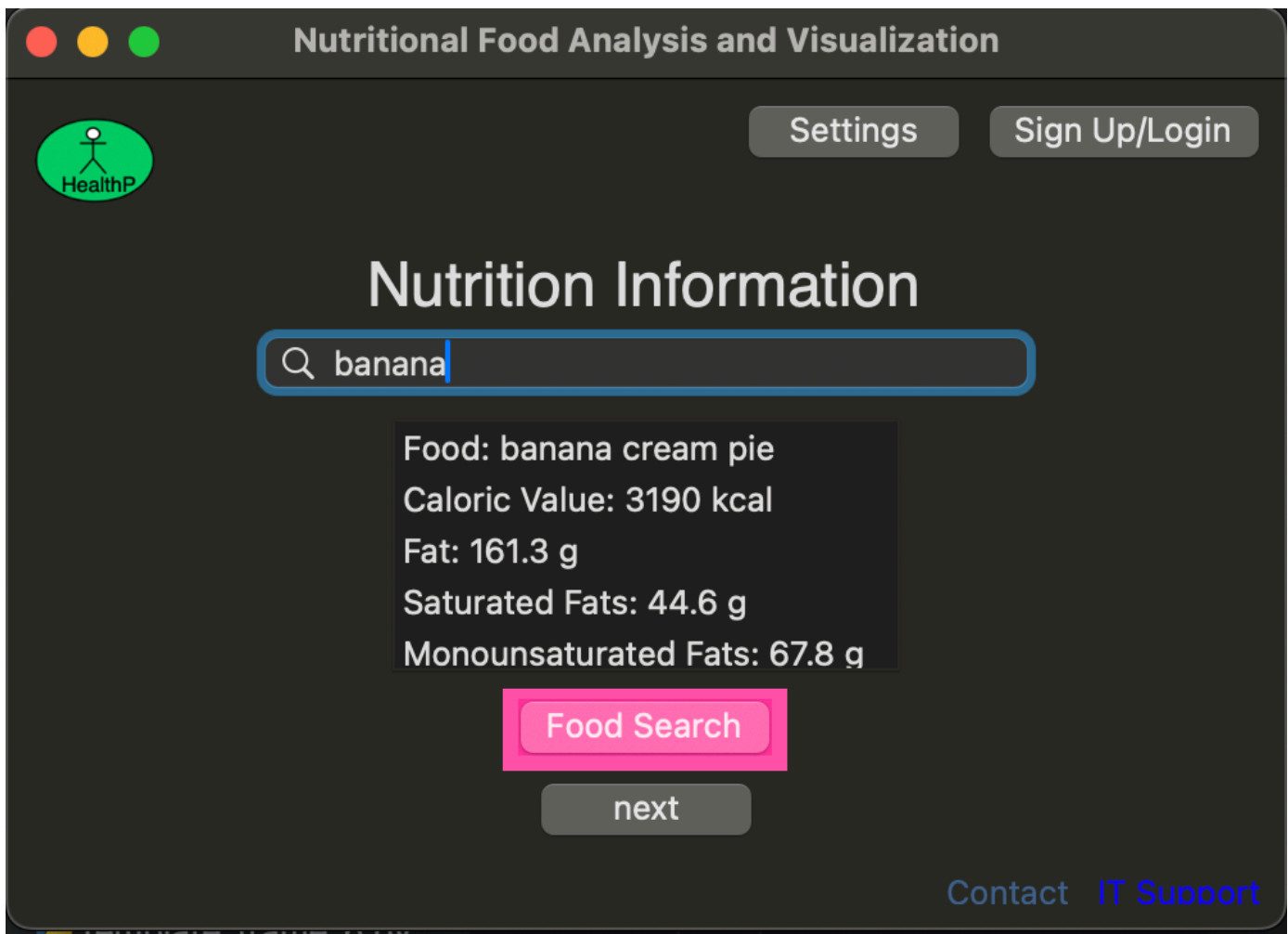Food Search   Nutrition Filter   Nutrition Plan Development and Sharing

Contact   IT Support

Nutritional Food Analysis and Visualization

HealthP

Nutrition Information

🔍 banana

Food Search
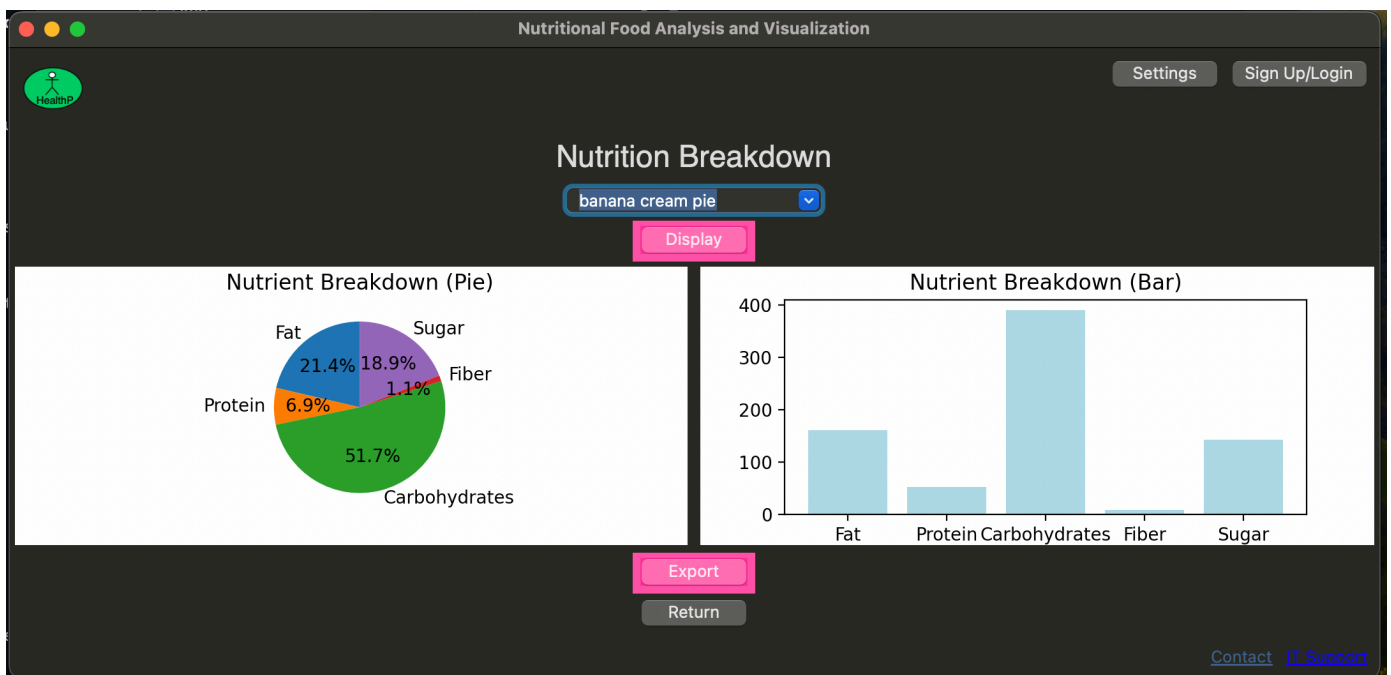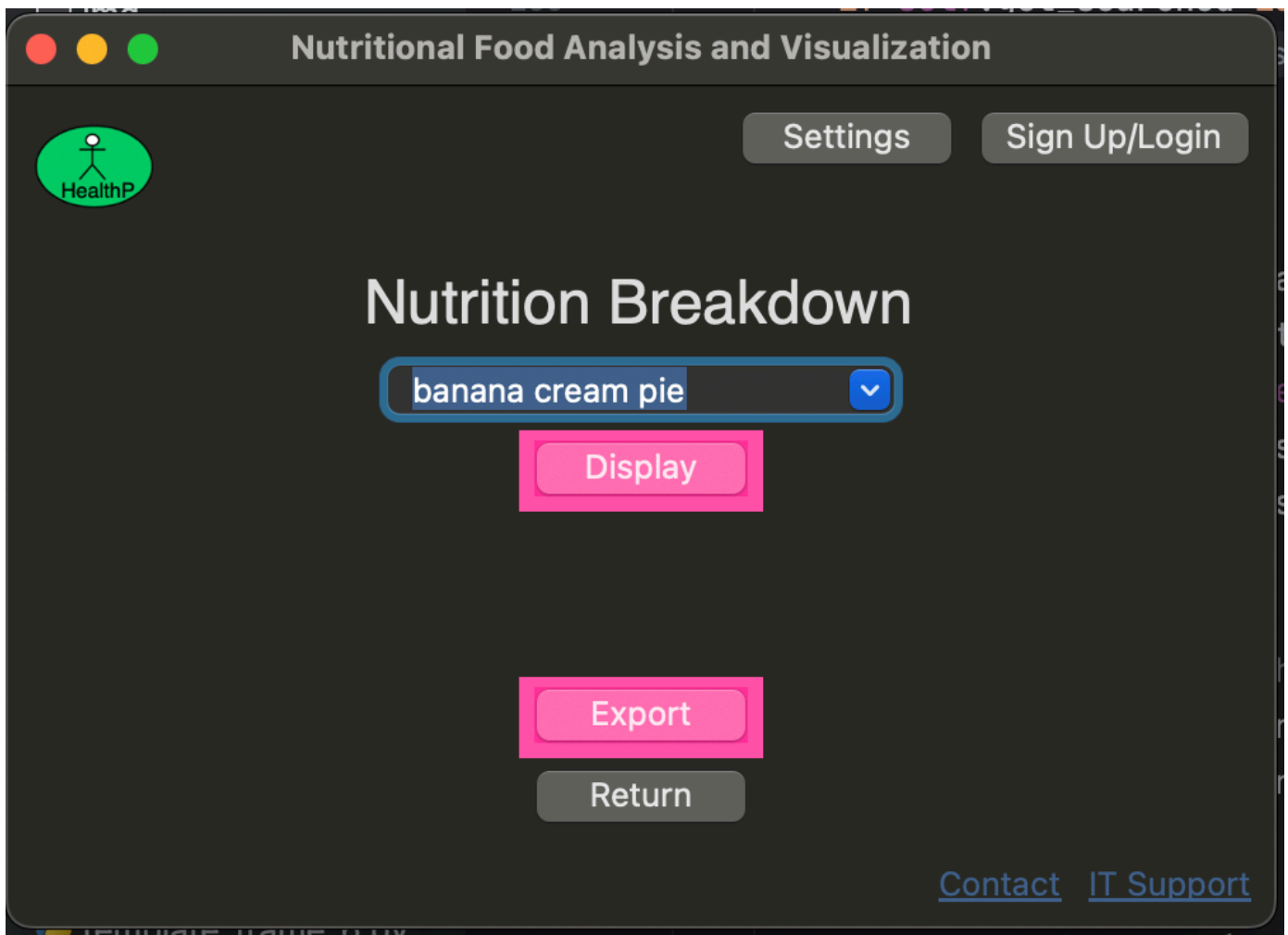
next

2. [Nutrition Breakdown]

Description

Enable users to select one food, and display pie charts & bar graphs showing the breakdown of different nutrients for the selected food.

Steps

1. After clicking "next" button on the previous interface, the desktop application page will go to the screen "Nutrition Breakdown". At the same time, the searched food name will show on the comboBox.
2. Click the "Display" button, the pie chart and bar graph about the searched food nutrition information will visually display on the screen.
3. After clicking "Return" button, the desktop application page will jump to three main menu page.

Screenshots

Settings   Sign Up/Login

HealthP

Nutrition Breakdown

banana cream pie ⌄

Display

Export

Return

Contact   IT Support

Nutritional Food Analysis and Visualization

Settings   Sign Up/Login

HealthP

Nutrition Breakdown

banana cream pie ⌄

Display

Nutrient Breakdown (Pie)

Fat   Sugar
21.4% 18.9%
                    Fiber
Protein 6.9%   1.1%

51.7%

Carbohydrates

Nutrient Breakdown (Bar)

400

300

200

100

0
Fat Protein Carbohydrates Fiber Sugar

Export

Return

Contact   IT Support

3. [Nutrition Range Filter]

Description

Enable users to select one of nutrition and input minimum & maximum values, and the tool will display a list of foods that fall within those ranges.

Steps

1. After clicking "Nutrition Filter" menu, the interface will go to the page "Nutrition Range Filter".
2. Select one nutrition in the comboBox, and enter the minimum and maximum values.
3. Click the "Range Search" button, the results about foods within those ranges will display in the listbox.
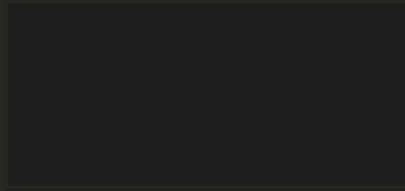
Screenshots

Settings

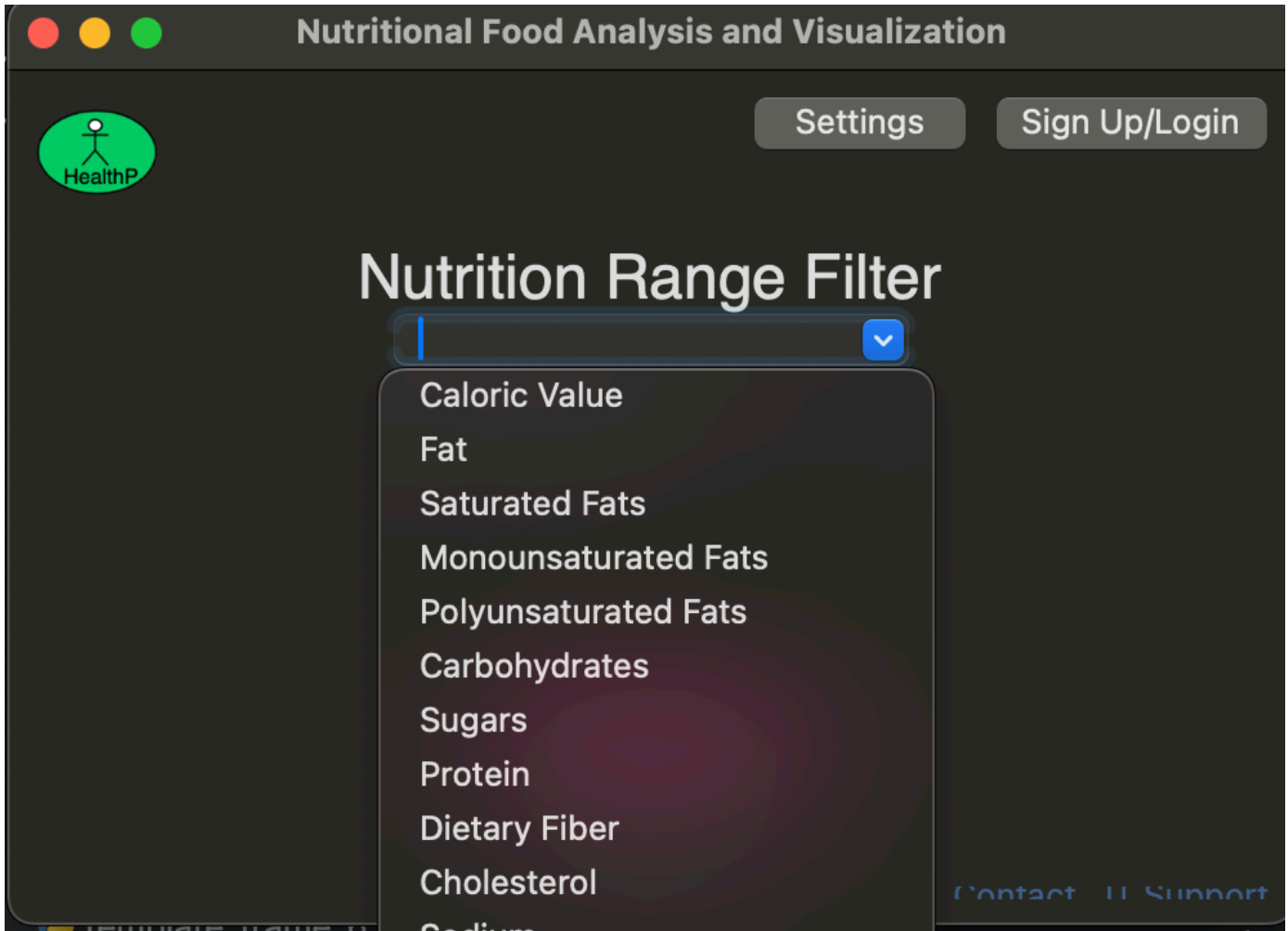Sign Up/Login

HealthP

Nutrition Range Filter

Enter min_values

Enter max_values

Range Search

next

Settings   Sign Up/Login

HealthP

Nutrition Range Filter

Caloric Value

Fat

Saturated Fats

Monounsaturated Fats

Polyunsaturated Fats
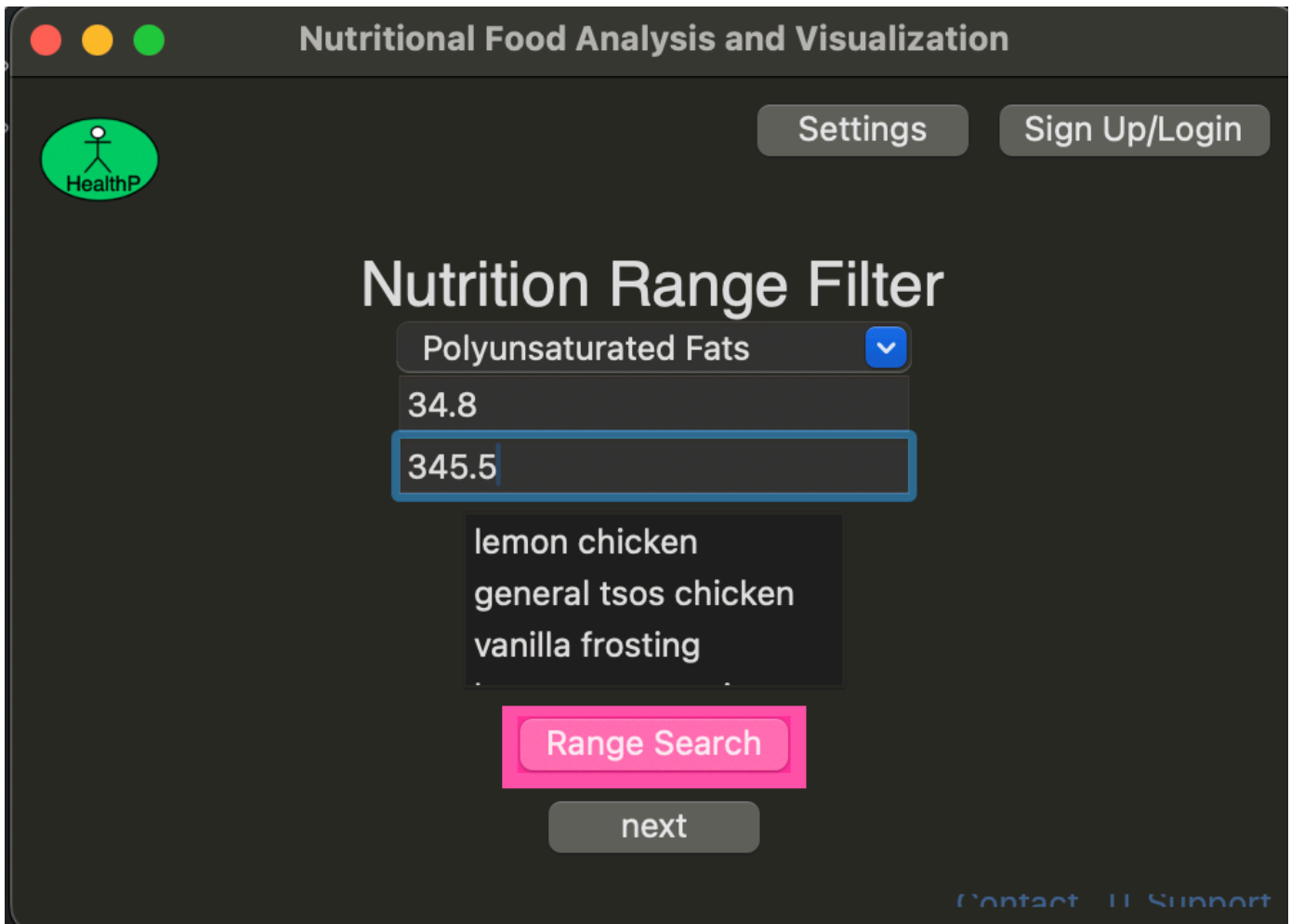
Carbohydrates

Sugars

Protein

Dietary Fiber

Cholesterol

Sodium

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4. [Nutrition Level Filter]

Description

Enable users to filter foods by nutritional content levels — low, mid, and high, which including fat, protein, carbohydrates, sugar, and nutritional density.

Steps

1. After clicking "next" button on the previous interface, the desktop application frame will go to "Nutrition Level Filter".
2. Select nutrient content and levels (low, mid, high) in the comboBox.
3. Click "Level Search" button, the results will display in the listBox.
4. After clicking "Return" button, the interface will go back to three main menu frame.

Screenshots

Settings   Sign Up/Login

HealthP

Nutrition Level Filter

Level Search

Return

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Nutritional Food Analysis and Visualization

Settings

Sign Up/Login

HealthP

Nutrition Level Filter

Fat

Protein

Carbohydrates

Sugars

Nutrition Density

Level Search

Return

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Settings

Sign Up/Login

HealthP

Nutrition Level Filter

Protein ⌄

| ⌄

low

mid

high

Level Search

Return

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Nutritional Food Analysis and Visualization

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Settings

Sign Up/Login

Nutrition Level Filter

Protein

high

pork top loin roasts raw
pork arm picnic raw
pork arm picnic cooked

Level Search

Return

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Nutritional Food Analysis and Visualization

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HealthP

Nutrition Information

Food Search   Nutrition Filter   Nutrition Plan Development and Sharing

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5. [Export as csv file]

Description

Enable users to export selected food data information as csv file in your device.

Steps

1. Click "Export" button on the interface "Nutrition Breakdown", the function of save as csv file will be executed.
2. Edit the file name you want to save, choose the desktop location users want to store this file and click "Save" button.
3. The screen will show the messageBox about successfully save file information.
4. The csv file can be found in the stored location.

Screenshots

Save

Save CSV

Save As: banana

Tags:

Where: 📁 Desktop

Cancel   **Save**

Sign Up/Login

HealthP

Nutrition Breakdown

banana cream pie ∨

Display

Nutrient Breakdown (Pie)

Fat   Sugar
21.4% 18.9%   Fiber
                1.1%
Protein 6.9%
        51.7%
        Carbohydrates

Nutrient Breakdown (Bar)
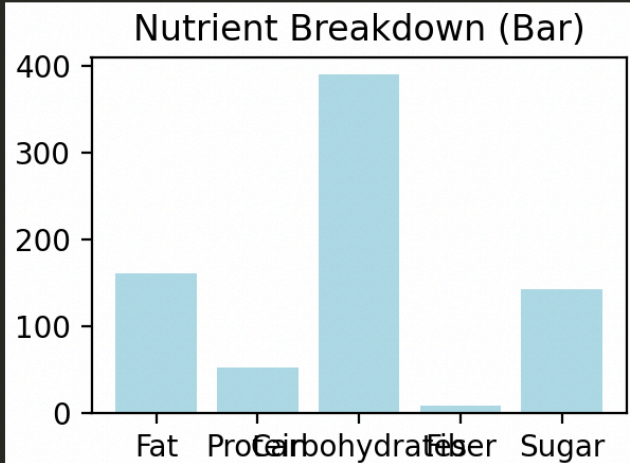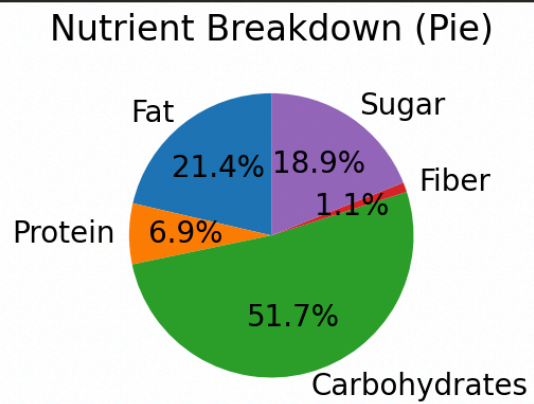

400

300

200

100

0

Fat   Protein Carbohydrates Fiber Sugar
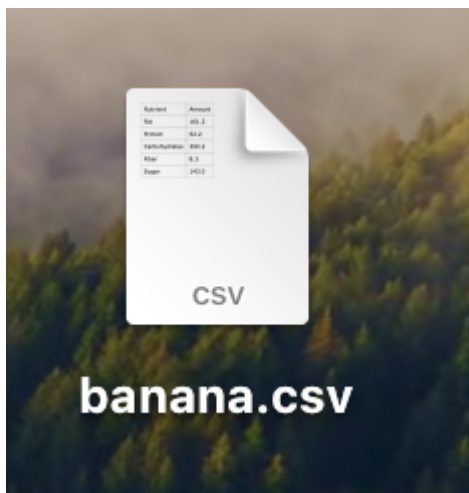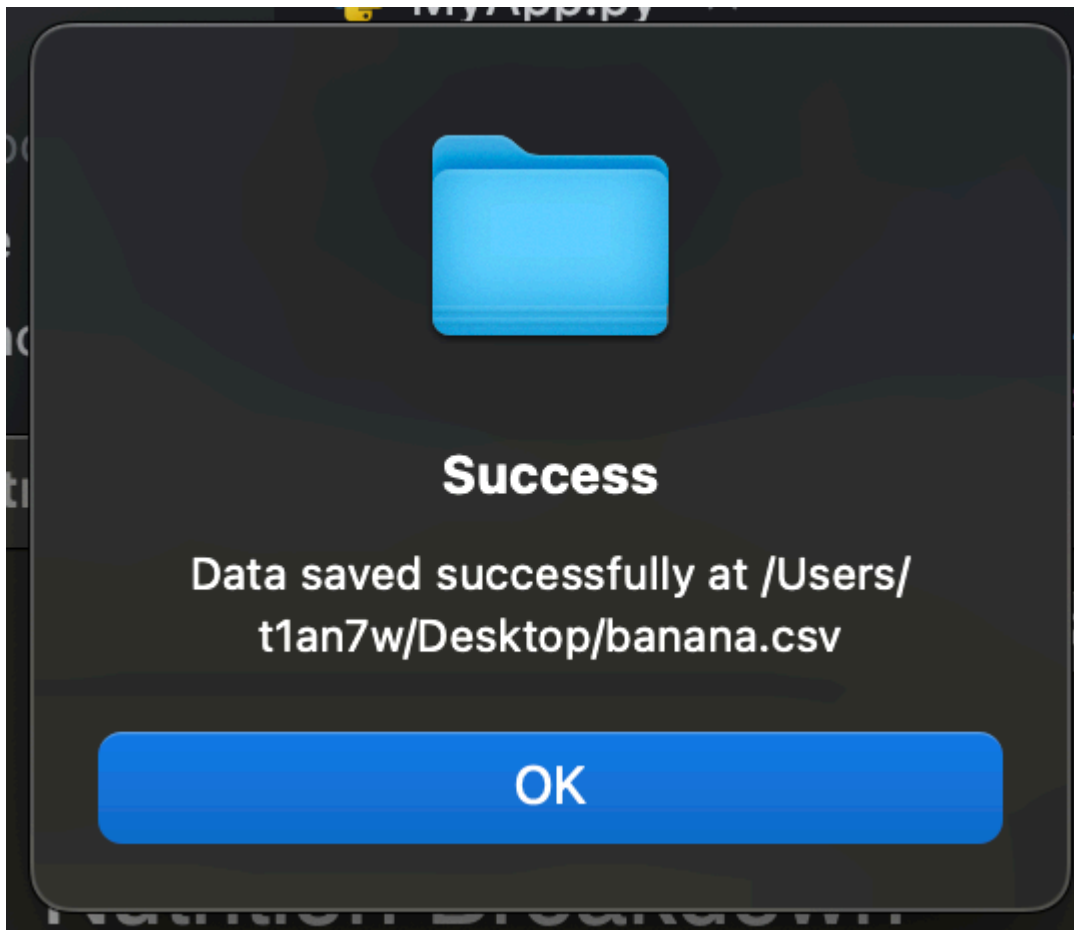
Export

Return
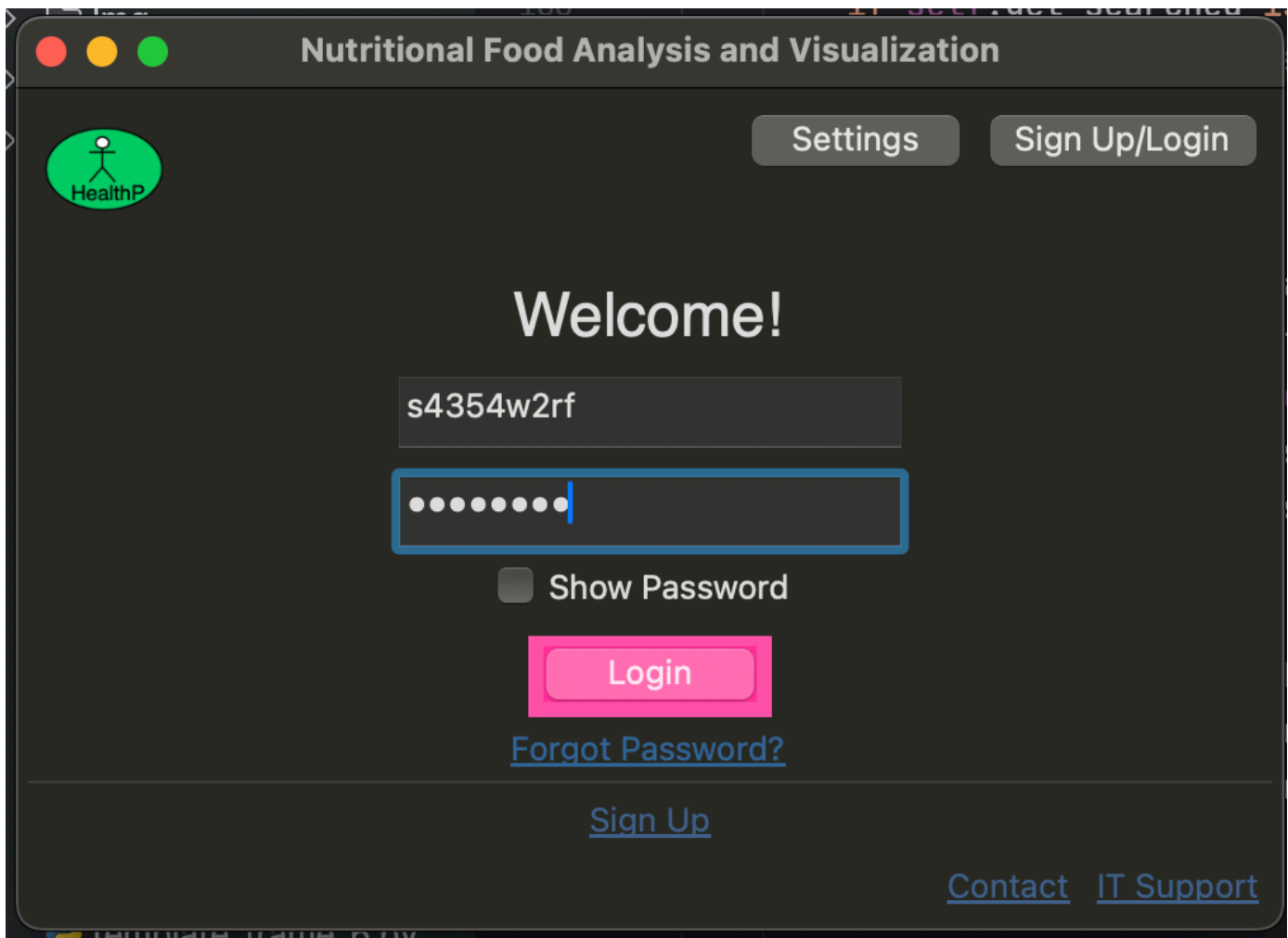
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6. [Show password]

Description

Enable users to see the password they have entered.

Steps

1. Open this desktop application, enter the usernamw/email address/phone number and the password.
2. The password have been hidden when users edit password.
3. After clicking "Show Password" checkbox, the hidden password will be showed.

Screenshots

Nutritional Food Analysis and Visualization

HealthP

Welcome!

s4354w2rf

sfgfdgsd

☑ Show Password

Login

Forgot Password?

Sign Up

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