
Members Only

Functional Specification

Author: Dallas McGroarty

Last Updated: May 12, 2019

Overview

Members Only is a web application that allows users to access a food database where they may view the current foods in the database and a list of their favorite foods.

This spec, for the most part, will follow a screen by screen specification where details will be explained on how each page functions for the user and how it works behind the scenes.

For the sake of this document's length, this spec will not go into too much detail on the technical side. But, it will give enough information to understand how it works.

Technologies & Languages

To create Members Only there were a few technologies and languages used.

Those include:

- PHP and Apache – Apache is the server and PHP is used to communicate with the server
- HTML, CSS, Bootstrap – These allowed for the pages to be created and styled
- MySQL – The database used to store users, foods, and favorites

Non-Goals

This version of Members Only will **NOT** support the following features:

- User password changes
- Registration using email confirmation

Page by Page Specification

Members Only consists of a few different pages that the user will interact with.

All pages are created using HTML, CSS and Bootstrap and are formatted similarly.

An important aspect to these pages is that a non-member (unregistered user) will only be able to view the **Sign In Page**, **Register Page**, and **Non-Member's Home Page**. They must register and sign in to access the member's only pages.

Members only pages include **Member's Home Page**, **Food List Page**, **Favorites Page** and the **Sign Out Page**.

Sign In Page

The first page the user will see when going to the site is the **Sign In Page** as seen below:

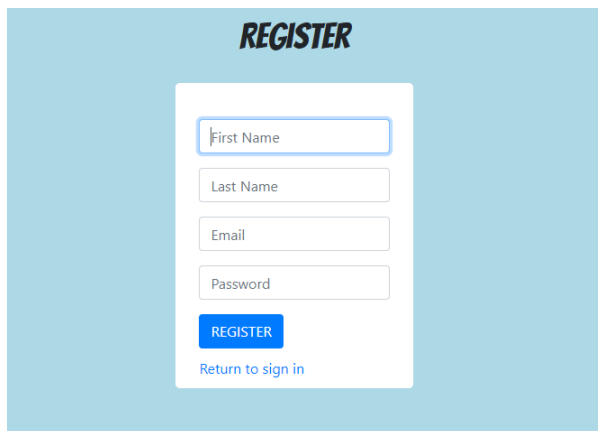
The image shows a 'SIGN IN' page with a light blue background. At the top, the text 'SIGN IN' is displayed in a bold, italicized, black font. Below this, there is a white rectangular form containing two input fields: 'Email' and 'Password'. A blue button with the text 'SIGN IN' is positioned below the password field. Underneath the button is a blue link labeled 'Register'. At the bottom of the form, there is a blue link labeled 'Continue without signing in'.

Here the user will sign in to the site if they have already registered. If not registered, the user must click on the “Register” link and they will be taken to the **Register Page**. The user may continue without registering/signing in by clicking the “Continue without signing in” link and they will be taken to the **Non-Member’s Home Page**.

To sign in the user must input their email and password in the correct field and then click on the “SIGN IN” button. After clicking the “SIGN IN” button the application checks the database to see if the user has registered. If they are registered they are redirected to the **Member’s Home Page**, otherwise they are denied access and they remain on the same page and receive an error message.

Register Page

The **Register Page** is where the user will register to use the site. The page is seen below:

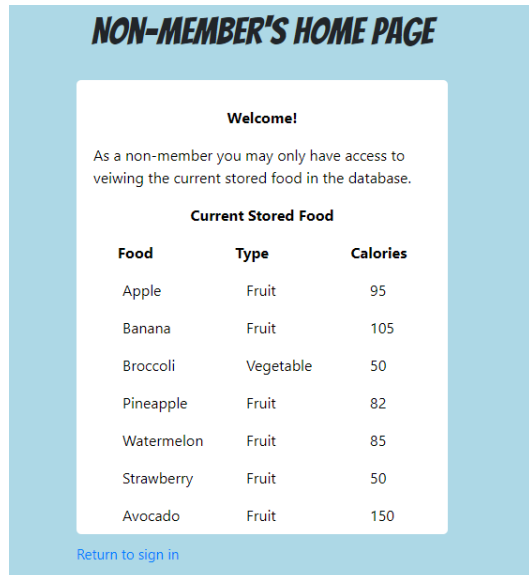
The image shows a 'REGISTER' page with a light blue background. At the top, the text 'REGISTER' is displayed in a bold, italicized, black font. Below this, there is a white rectangular form containing four input fields: 'First Name', 'Last Name', 'Email', and 'Password'. A blue button with the text 'REGISTER' is positioned below the password field. Underneath the button is a blue link labeled 'Return to sign in'.

Here the user needs to fill in the correct fields with their first name, last name, email and password. After filling in the fields the user must click on the “REGISTER” button to register. The application will validate the form and check the database to see if that user exists already and if not, they will be created in the database with the users inputted information.

After registering a message will display on the page indicating that the registration was successful. The user must then click the “Return to sign in” link to return to the **Sign In Page** and sign in to access the site.

Non-Member’s Home Page

The **Non-Member’s Home Page** is for unregistered users and can be seen below:



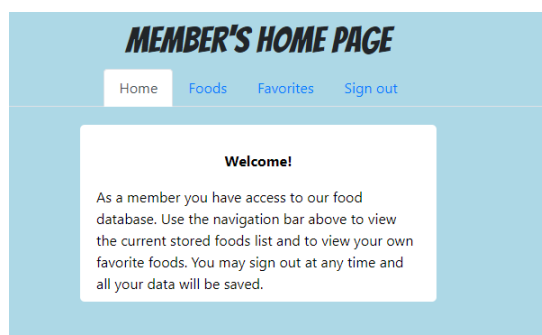
As an unregistered user they may only have access to viewing the current stored food in the food database. A message is displayed under the title and the current stored food is queried from the database and displayed in a nice format on the page.

Users may click the “Return to sign in” link to return to the **Sign In Page** and either sign in or go to the **Register Page**.

Also, if a user is **NOT** signed in and tries to access a member’s only page. They will be redirected to this page.

Member’s Home Page

The **Member’s Home Page** is the first page a user sees after signing in and is shown below:



The now signed in member is greeted with a welcome message and now has access to the navigation bar located underneath the page's title. This allows the user to go to the **Food List Page**, **Favorites Page** and **Sign Out Page**. The user just needs to click on the tab in the navigation with the name of the page they want to go to.

Food List Page

The **Food List Page** shows the current stored food in the database and is shown below:

The left screenshot shows the 'FOOD LIST' page with a navigation bar containing 'Home', 'Foods', 'Favorites', and 'Sign out'. Below the navigation bar is a table titled 'Current Stored Food' with the following data:

Food	Type	Calories
Apple	Fruit	95
Banana	Fruit	105
Broccoli	Vegetable	50
Pineapple	Fruit	82
Watermelon	Fruit	85
Strawberry	Fruit	50
Avocado	Fruit	150

Below the table is a blue button labeled 'Add food'.

The right screenshot shows the 'Add a new food' form with three input fields: 'Enter name of the food', 'Type of food', and 'Enter number of calories'. Below the input fields is a blue button labeled 'Add'.

On this page the user can see the current stored food in the database which shows the food's name, type of food (fruit, vegetable, etc..), and the number of calories that food has. There is also an "Add food" button below the list of food.

Clicking the "Add food" button will open a form in which the user can enter a food's name, type and calories and a user can add that food to the database. The application will check the database to see if the food the user entered is in the database and if not, it will add the food to the database. A message will be displayed on the page indicating whether the add was successful or not. The user may then return to the **Food List Page** and it will be updated with the newly added food.

Favorites Page

The **Favorites Page** shows the specific user's favorite foods as shown below:

The screenshot shows the 'FAVORITES' page with a navigation bar containing 'Home', 'Foods', 'Favorites' (active), and 'Sign out'. The main content area is divided into two panels. The left panel, titled 'Favorite Food', contains a table with the following data:

Food	Type	Calories
Watermelon	Fruit	85

Below the table are two buttons: 'Add favorite' and 'Delete favorite'. The right panel contains two sub-sections. The top one, 'Add a new favorite food', has a text input field labeled 'Enter name of the food' and an 'Add' button. The bottom one, 'Delete one of your favorite foods', has a text input field labeled 'Enter name of the food' and a 'Delete' button.

On this page the user can see their list of favorites food. The database is queried for that user's favorite food and it is displayed on the page with the food's name, type, and calories.

There are two buttons "Add favorite" and "Delete favorite". Clicking "Add favorite" will open a form where the user can enter the name of the food they want to add to their favorites. The application will check the database to see if that food exists in the database and if that food is not already in the user's favorites. If it passes both checks, then the food will be added to the user's favorites and it will appear on the **Favorites Page**. Clicking "Delete favorite" will open a form where the user can enter the name of the food they want to delete from their favorites. The application will check the database to see if that food is in the user's favorites and if so, it will delete it from their favorites and update the **Favorites Page** to reflect the deletion. A message will be displayed after adding or deleting indicating if it was successful or not.

Sign Out Page

The **Sign Out Page** allows the user to sign out of the site and is seen below:

The screenshot shows the 'SIGN OUT' page with a navigation bar containing 'Home', 'Foods', 'Favorites', and 'Sign out' (active). The main content area features a confirmation dialog box with the text 'Are You Sure You Want To Sign Out?' and two buttons: 'Yes' and 'No'.

Here the user is asked if they want to sign out and may click either the "Yes" button or "No" button. Clicking the "Yes" button will sign the user out of their session and return them to the **Sign In Page**. Clicking the "No" button will redirect the user to the **Member's Home Page**.

END OF FUNCTIONAL SPECIFICATIONS DOCUMENT