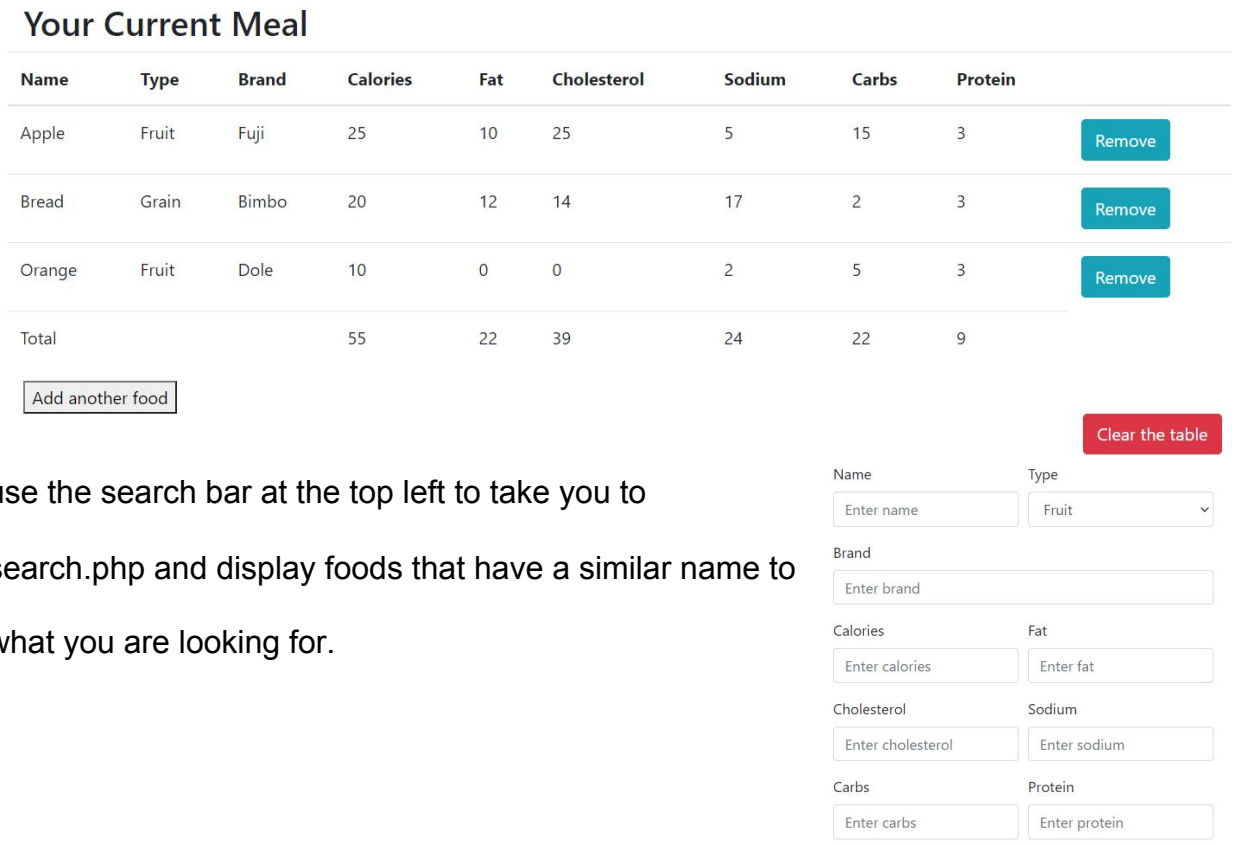
Carmello Artino, Katherine Grimm, Alex Helmick, Caleb Maurice
11/16/20
ISP

Final Report

Implementation Details

The majority of the front end is html, while the back-end of the project is a mixture of PHP and MySQL. We chose to use Bootstrap CSS bundle to help make the website look a little bit nicer. There is some javascript used for popups when some of the buttons are clicked. PHP is used to process the information the user directly feeds to the website, while MySQL talks to the database we have set up through the WAMP server we are running locally on our computers. The PHP uses session variables to maintain the list of foods that are in the current meal throughout multiple pages.

MealMaker.php is the home page. Selecting the “Add another food” button will take you to CalTracker.php. There, you can add a new food, select an existing one, or use the search bar at the top left to take you to search.php and display foods that have a similar name to what you are looking for.



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Group Member Contributions

Carmello Artino: Created the CalTracker page display which consists of a list of foods. This included data to be stored in a database table that was also created locally on each team for, name, type, brand, calories, fat, cholesterol, sodium, carbs, and protein). Created a form for entering brand new food information, and cleaned up the UI to be clean and simple for the best user experience. Added a navbar at the top of the page for quick navigation.

Kate Grimm: Added search function for ease of finding foods already in the database. Search bar takes the user to another page which displays a table of all search results. Added an about page which gives basic details on how to use the program.

Alex Helmick: Added a clear button on the MealMaker.php page to delete all of the entries from the table. Added delete buttons next to each of the entries in MealMaker.php to delete single entries from the table. Added delete buttons next to

each of the entries in CalTracker.php to permanently delete entries from table.Used javascript for pop ups on the delete button to confirm deletion of entries.

Caleb Maurice: Made Add button operational and created the display for the selected foods to MealMaker.php.

Lessons Learned

This project taught us about how to get user input from html forms and use it as part of a MySQL database search. This project helped us understand how data can flow between web pages, and how those web pages can then feed information to the database and then receive some back. And even though there is not too much fancy formatting, we were able to look into keeping the webpage looking clean, as well as implementing pre-built CSS style sheets.

Possible Future Work

Some features that could be implemented in the future include the ability to favorite foods so they can be more easily found in the future. We could also create a way for users to log in and have their meals saved every day to reference later. A feature could also be added to allow users to set nutrient goals and track how much more they need to consume to reach them. It would also be a good idea to make the password required for deleting an entry from the database more secure.