

Criterion E - Evaluation

Total Word Count: 451

Evaluation of Success Criteria

Success Criteria (from A)	Evaluation
The program allows the user to add stored foods and specify, for each food, the name, quantity, expiration date, and location it's stored in.	✓ Through the "Add Item" button, the user can add ingredients, bought meals, and cooked meals to any of the four storages, specifying the name, quantity, and expiration.
The user will be able to update all of these values, as well as remove food items entirely.	✓ The user can easily increment/decrement quantity, delete items, or edit with the "Edit" button.
The program presents, in a single scrollable text table, a complete list of all food items available in the house, along with all other relevant information.	✗ Not implemented, as four smaller tables for each fridge/freezer (next success criterion) would've accomplished the same task with less clutter. The client agrees, and wouldn't even use this long table ¹ .
The program also presents all items in individual fridges/freezers as separate tables.	✓ Four tables (two fridges, two freezers) display all stored food items the user has added.
The user is able to sort and filter these tables by a chosen parameter.	✓ The user can sort the four storage tables by name, quantity, and expiration, and filter them by a dozen parameters. The client really liked both features, saying they made items very easy to find ² .
The user is able to find specific items by searching for their name.	✗ Not implemented, as the sorting and filtering features seemed plenty in terms of helping the user locate certain

¹ Client, interview by author, April 24, 2022. Transcript of interview #2, client answer #1.

² Client, interview by author, April 24, 2022. Transcript of interview #2, client answer #2.

	items. The client said the current system is sufficient, and they wouldn't want to type in item names ³ .
The user is able to see all food items that expire in a given time period, such as foods expiring within the next 3 days. This list could be routinely emailed to the user as a reminder.	~ Two expiration tables are displayed; one table of foods which have expired, and one of foods that will expire within 3 days. Emailing wasn't implemented, as learning to use the Gmail API would've been time consuming. Instead, these tables were placed in the home page so the user would immediately receive this information. The client was happy with this modified approach, and would rather not get spammed ⁴ .
The user is able to see a list of suggested meals that can be cooked with the currently available ingredients.	✓ The home page presents a table of meals whose ingredients are all available in one of the four storages.
All data is permanently stored such that the user can close and reopen the program and see the same things	✓ Data is stored in a MySQL database, and closing/reopening the program won't cause any data loss.

Word Count: 260 (excluding the first column of the table, which was copied from criterion A)

New Successful Features Implemented

A third tab, "Recipes/Ingredients," was added as a means to accomplish some of the above criteria. The two tables in this tab were made to be editable and sortable, just as the storage tables.

Popup menus were used to add and edit items, minimizing clutter on the page and creating a smooth experience for the user.

Word Count: 57

³ Client, interview by author, April 24, 2022. Transcript of interview #2, client answer #3.

⁴ Client, interview by author, April 24, 2022. Transcript of interview #2, client answer #5.

Future Suggestions

Suggestion from Client	Feasibility
Just as stored foods can be edited in the storage tab, add more buttons to the home tab to enable editing and deleting there too ⁵ .	This idea is very reasonable, as it would just require copying and modifying existing code.
Currently, the Expiring Foods table displays items which expire within three days. Allow the user to change this cutoff number as they please ⁶ .	This is also very feasible, and can be easily accomplished with a JSpinner and a few extra lines of code.
Instead of having the Meal Suggestions table only display cooked meals whose ingredients are all available, also display meals that are missing one ingredients ⁷ .	The way to do this might be a bit more conceptually challenging, but is still extremely feasible and would only require minor changes to the existing code.

Word Count: 134

⁵ Client, interview by author, April 24, 2022. Transcript of interview #2, client answer #8.

⁶ Client, interview by author, April 24, 2022. Transcript of interview #2, client answer #10.

⁷ Client, interview by author, April 24, 2022. Transcript of interview #2, client answer #11.