Criterion E: Evaluation

Success criteria	Feedback and evaluation

● Logging in
  ○ The first time the user logs in, they will be prompted for a username and password
  ○ Create a new account option
  ○ They will also have the option to skip the login step, for easier use so that every time they open their computer to view their virtual kitchen, they do not have to sign in and enter in their password
	● Very successful for logging in and creating a new account.
	● Client feedback: "Very clean look and feel for the login page. Feels very modern!"
	● Skipping the login step feature was ultimately not feasible given the nature of the application running as an executable jar file.

● Recording recipes
  ○ Rating bar to indicate food taste
  ○ Difficulty bar (medium, easy, hard)
  ○ Image drag and drop fields
  ○ Clean and visually appealing UI for adding ingredients and other elements etc…
  ○ Autocomplete for some common ingredients
	● Successfully able to record recipes in an organized manner, completed most goals.
	● Client feedback: "I like the colour scheme and layout of the page. I might like it better if instead of clicking each green button to create a new text field, I could just hit the enter key. The font is a bit in the text fields, I would prefer it if its larger."
	● Ingredient autocomplete was not created, as I realized I would have to create a whole database of common ingredients, and constantly monitor what the user was typing. I ultimately decided this was not worth the time to devote to this task.

● Managing recipes and meal sections ○ Easily edit recipes and meal sections	● Completed well. Recipes and meal sections can be completely deleted. ● Client feedback: "Works nicely, I would really like it if there was a

○ Delete recipes and meal section	recovery option for recipes or if everytime you saved the recipe, it stored each version in a file"

● Nutrition information and health accommodation
    ○ Option for nutrition calculation (calories, fat, sodium etc…)
    ○ User is able to flag multiple recipes that they've had a reaction to, and ingredients common to all of them will be indicated as potential allergies
    ○ Recipes able to be scaled up according to selected portion size (including child serving sizes)
	● Could not be completed. I realized nutrition calculation was more complex than I thought, and that I would need to store the caloric information of many recipes and meals. Calculations also change with cooking type, such as baking vs boiling, so it would be a very complicated process. I also struggled with using a database which I had to learn over the course of this project, so I didn't think it would be feasible for me to meaningfully complete this task.
	● Client feedback: "I would have liked to have this feature. I feel it would have given the application more utility"

● Recipe searcher
    ○ Enter in ingredients that you have available, and searches through your previous recipes to find one that you can make with what you have - reduce wasted food
    ○ Allow the user to flag recipes they've had a reaction to and finds a common allergen
    ○ Substitution option (if you don't have some ingredients, auto-populated alternatives will replace it with scaled amounts for common ingredients ex. Eggs to be replaced with applesauce)
	● I did not end up completing this feature, due to issues I was having with using the database. I ended up settling on a recipe/meal selection sort button, which alphabetically sorts all recipes.
	● Client feedback: "I would have really liked to have this feature. I think it would've made the project feel more unique, and not just like a regular storing document."

Recommendations for further development

Minor improvements
1. Allow the user to hit the enter button to create a new text field instead of having to click on the green add button every time. This feature would increase usability and allow for a smoother user experience.
2. Add an option to delete text fields that are not in use. Reduce cluttering on the page and make the recipe feel cleaner instead of having to restart the recipe completely.
3. Increase the font on text fields. Easier for most people to see the text that they are typing.
4. Add a variety of sorts such as allowing the user to sort by date added (most to least recent, most frequently clicked etc…)
5. Have the option to move a recipe to another meal section

Major improvements
1. Create a backup system to retrieve deleted recipes and meal sections. Allow users to recover deleted meal sections within a set amount of time such as 1 month. Store the data in the database until this time.
2. Create the recipe searching feature. Allow for the user to select ingredients they have and generate a list of meals they can make.
3. Create a search bar so the user can type in the name of recipes and be able to retrieve that recipe quicker.
4. Create a feature that prints out a pdf of the recipe to make sharing even easier.
5. Create the allergy detection feature. Potentially could connect to an allergen database which can more easily recognize common allergies.

Word count: 246