Task 2: Writing the specification

Running the project starts a recipe suggestion program (we are considering transforming the user interface into an android app as the project progresses) that allows the user to interact with. While running, the program will prompt users to login or to create an account. If the user chooses to create an account, then he/she will be prompted with username, email information, and create a passcode. On the other hand if the user chooses to login, then he/she will be prompted to enter username information and passcode. Once a user is logged in, he/she will be prompted to decide whether to input groceries or to find a recipe. If the user chooses to add groceries, he/she will be asked to input the item specification. If the user chooses to find a recipe instead, he/she will be prompted to enter the recipe preferences (such as the cuisine category, preparation duration time and etc.). After the user finishes inputting his/her preferences, the program will output the recipes that match the specifications. Lastly, users can input exit to quit the program.

Later on in the project, we'll try to extend our program towards the following direction. We hope to create a notification system in which the program would notify the user what ingredient he/she should use up (according to the storing duration time). Also we hope to create a community platform where different users can communicate with each other and share recipes.