

Functional Requirements

- Describe users and how users access the system.

Users will be able to search for recipes by different filters. According to users' requirements, system will select the appropriate recipes from database, and list them on the web page. Also, users can create their own account through entering their personal information, such as name and email, to access the recipe book. By logging/logging out of their account, they can access more elaborated functionalities like saving their favorite recipes, creating/deleting their own specific recipes, and rating the recipes. These will also be recorded in the database.

- Describe each functionality/features, functional processes, and I/O(s).
 - Register: Users need to register the system by entering their username, password, and email to access the recipe book. The information will be kept in the database.
 - Login: The users who have registered need to login to access more performance.
 - Edit Profile: Users will be able to edit the profile they saved including their username and password.
 - Search Recipe: Users will be able to search for a recipe by filtering them based on titles, ingredients, preparation time, dish category (main, side, dessert, etc.), serving size and alphabetization.
 - Rate Recipe: Users can rate recipe according to their own tastes.
 - View Recipe: Users will be able to see the recipes posted by other users and ordered by rate.

- Create Recipe: Users will be able to add their own specific recipes. The creation of recipe include entering title, ingredients, preparation time, category and description, steps and other information.
- Delete Recipe: Users can also the recipe they created.
- Add Favorite: Users can mark the recipes as their favorite.
- View My (Favorite) Recipe: Users will be able to view all recipes they created/marked as favorite.