2.1 Customer can initialize the personal account

This epic involves adding functionality to the system to let customers register, set up and login the personal account – all to further enable them to view the system.

As a new customer, I can register a new account with a username and a password

Customer can click "register" to set up the new personal account with unique username and password

If the preferred username already been used, an error message is displayed to the customer: "Username already been used"

Customer can click "register" to finish the register process and forward to login page

As a customer, I can login with my username and credentials

Customer can input username and password to login the account

If the input username and password fail to match, an error message is displayed to the customer: "Username or password is not correct, please check again."

Customer can click "login" to login the personal account and forward to homepage.

As a customer, I can view the homepage with different categories and functions

This epic should take 20% of the allocated time for the project.

2.2 Recipe explorer can customize the preferred recipe

This epic involves adding functionality to the system to let recipe explorer search, view and select the preferred ingredients and view the details of preferred recipe, as well as manage the running list.

As a recipe explorer, I can view different categories of ingredients so that I can find the ingredient I want easily

System could display different categories of ingredients available to select

Explorer could click the preferred categories and forward to the related ingredients

As a recipe explorer, I can choose some ingredients from the category list so that I can find some recipes with those ingredients

System could display the list of ingredients of the chosen categories

Explorer can click the preferred ingredients to add them to the running list

As a recipe explorer, I can also type in ingredients and search the recipes associated with those ingredients

System could display the recipes which related to the ingredients typed in

As a recipe explorer, I can view the running list of ingredients so that I can check the ingredients I have chosen

Explorer could click the "list" to view the running list of chosen ingredients

System would display the running list shown the chosen ingredients

As a recipe explorer, I can view the suggested ingredients

base on ingredients in my running list so that I could add new ingredients to my running list easily

Explorer could select the suggested ingredients based on the chosen ingredients to add them to running list

System would display the suggested ingredients

As a recipe explorer, I can remove the ingredient from the running list if an ingredient is inadvertently picked

Explorer could click button "Remove" to delete the inadvertently picked ingredients

The removed ingredients would disappear from the running list

As a recipe explorer, I can select a recipe from the searching results so that I can view its full details

Explorer could click the preferred recipe from the searching results and forward to the full details page

System would display the page with full details of the chosen recipe

This epic should take 50% of the allocated time for the project

2.3 Recipe contributor can set up and manage the recipe

This epic involves adding functionality to the system to let recipe contributor create and manage the recipes - all to further enable recipe explorer to view these recipes.

As a recipe contributor, I can add new recipes to the list of my contributed recipes so that the whole user community can view my recipes

System could display different categories of ingredients available to select

Contributor could create new recipes and click "add" to add them to the list of contributed recipes

Explorer could search and view the new added recipes from the searching page

As a recipe contributor, I can see a list of my contributed recipes, so that I can view details of each recipe I contributed

Contributor could click "my contributed list" to view the full list of contributed recipes details

System would display the list of all contributed recipes

Contributor could click the specific recipe to view the details

As a recipe contributor, I can remove a recipe from the list of my contributed recipes

Contributor could click button "Remove" to delete the recipe from the list which previous added

The removed recipes would disappear from the list

As a recipe contributor, I can see the most frequently input set of ingredients for which there was no recipe match so that I can create new recipe that users needed

Contributor could click the button "ingredients not matched" to view the set of ingredients which have not been matched to any recipe

System would display the ingredients not matched yet

Contributor could create the related recipe for those ingredients

As a recipe contributor, I can view the category for each ingredient based on categories previously associated on other recipes so that I can choose a suggested category associated with the ingredient

Contributor could view the suggested categories for each ingredient when adding them to the new recipe

System would display the corresponding categories of the input ingredient based on categories associated on other existed recipes

Contributor could click the most suitable category and match it to the input ingredient

This epic should take 30% of the allocated time for the project