
Design Document for **KitchenMingle**

Group **LG_116**

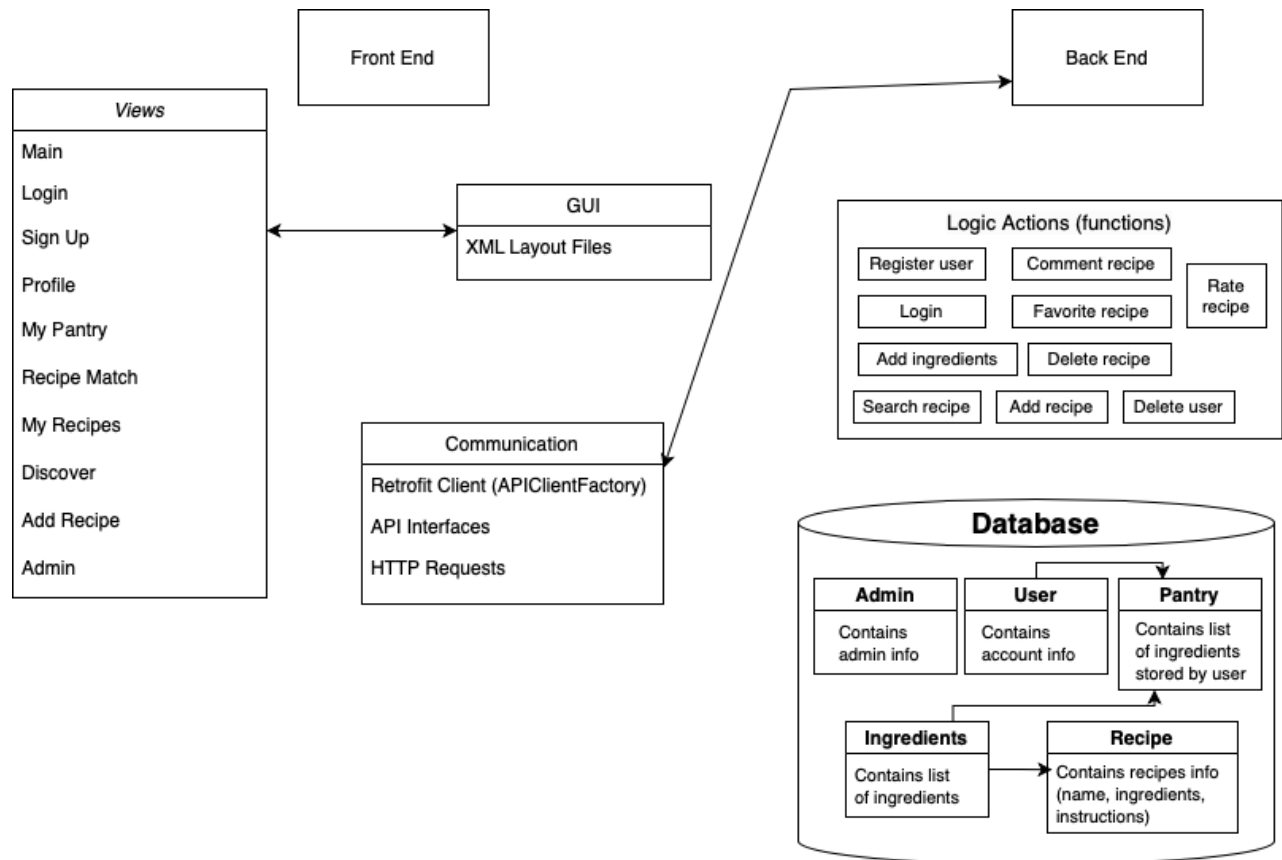
Christy: 25% contribution

Jesus Soto: 25% contribution

Kat: 25% contribution

Xuan Wen: 25% contribution

PUT THE BLOCK DIAGRAM PICTURE ON THIS PAGE! (Create the picture using pencil or drawIO)



Use this third page to describe complex parts of your design.

Frontend (currently implemented)

activity_main

- Main has generates a page with the following elements:
 - TextView: KitchenMingle
 - Button: btnToSignUp
 - Button: btnToLogin
- Clicking either the btnToSignUp or btnToLogin takes you to either the sign up page or login page

activity_signup (User)

- Has the user create an account, generates a page with the following elements:
 - EditText: confirmPasswordEditText
 - EditText: usernameEditText
 - EditText: passwordEditText
 - EditText: emailEditText
 - Button: btnToMain
 - Button: btnSignUp
- The sign up page takes user input of their username, password, email, and the password confirmation. It will take the user to the recipe creation page.

activity_login (User)

- Login creates an page with the following elements:
 - Button: btnLogin
 - Button: btnToMain
 - EditText: passwordEditText
 - EditText: emailEditText
- The login page takes user input of their password and email. It will take the user to the recipe creation page.

activity_indredient

- generates a page with the following elements:
 - EditText: recipeName
 - TextView: activity_main_textView1
 - Button: activity_main_post_by_body_button
 - EditText: activity_main_recipename_editText
 - TableLayout: tableLayout
 - TableRow: ingredientName1
 - TextView: quantityTextView
 - Button: increase1
 - Button: decrease1
 - TextView: textViewMyPantry
 - Button: button
-

Backend

Communication

Backend uses mappings to update the database based on the information sent to the given mappings' URLs.

- GET: Request information that's already stored in the database
- POST: Send information on an object(user, recipe, etc.) to be added to the database
- PUT: Send information to update a specific item in the database
- DELETE: Send an identifier to remove a specific item in the database

Controllers

Controllers contain the mappings for communication between frontend and the database.

- Users: Creates (register) users, contain one-to-one relationship with pantry
- Pantry: Stores ingredient based on user input, connected to the Users table
- Ingredient: To add list of ingredients to the database that will be used by Pantry and Recipe
- Recipe: Stores list of recipes, Users(Editor) are allowed to add new recipe that will be added to the database
- Admin: Has access to the database to perform changes such as delete users.

PUT THE TABLE RELATIONSHIPS DIAGRAM on this fourth page! (Create the picture using MySQLWorkbench)

