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## Design Document for **KitchenMingle**

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Group **LG\_116**

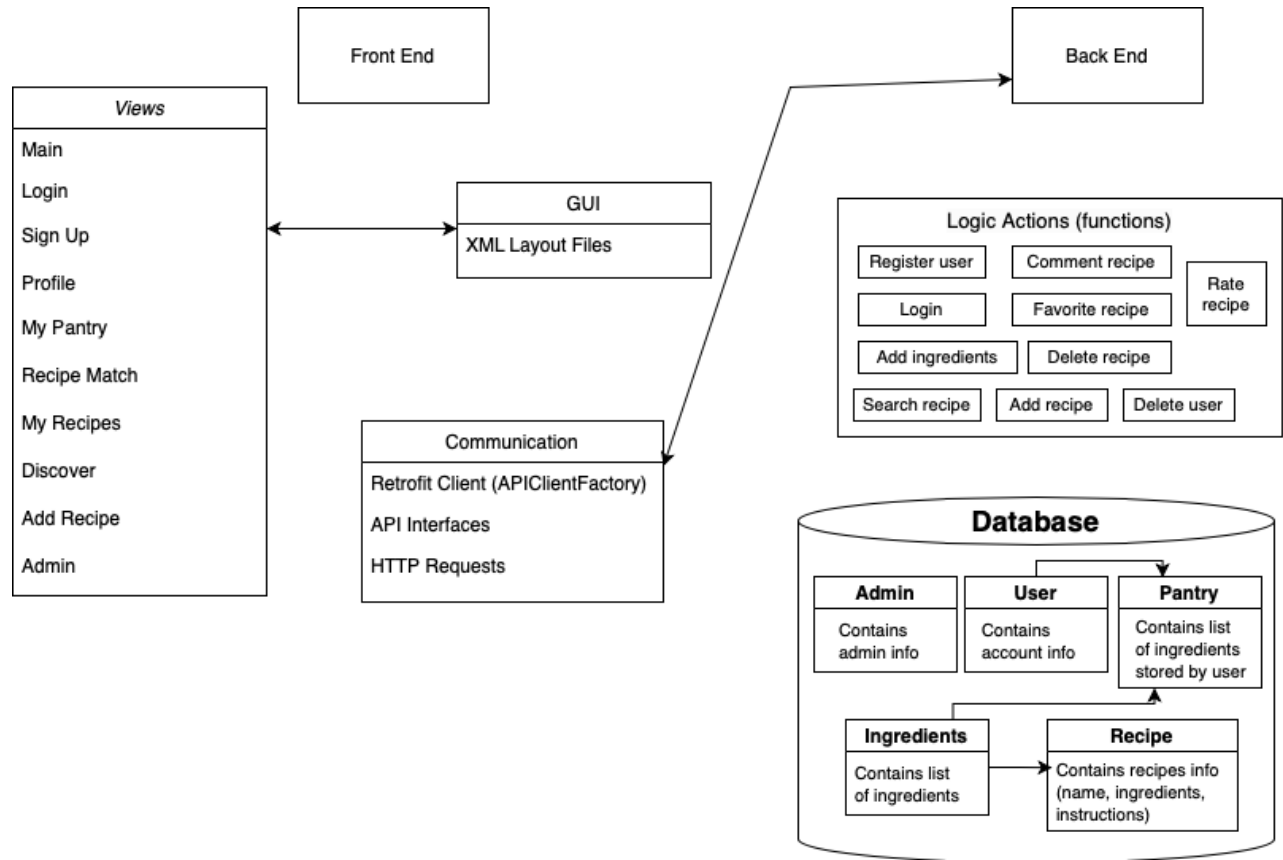
Christy: 25% contribution

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
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## **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)