

# Screen Sketches

LG\_116

## Actors

1. Viewers: Have the privileges to:
  - Add ingredients to pantry
  - Match with recipes based on ingredients
  - Search for recipes
  - View recipes
  - Save recipes to their own 'Saved Recipe' list
  - Edit personal recipes
2. Editors: Have the same privileges as Viewers in addition to:
  - Add new recipes and edit public recipes database
3. Admin: Allowed to manipulate aspects of the program itself by:
  - Remove unsuitable recipes from the database
  - Remove users who uploads unsuitable contents
  - Look users activity

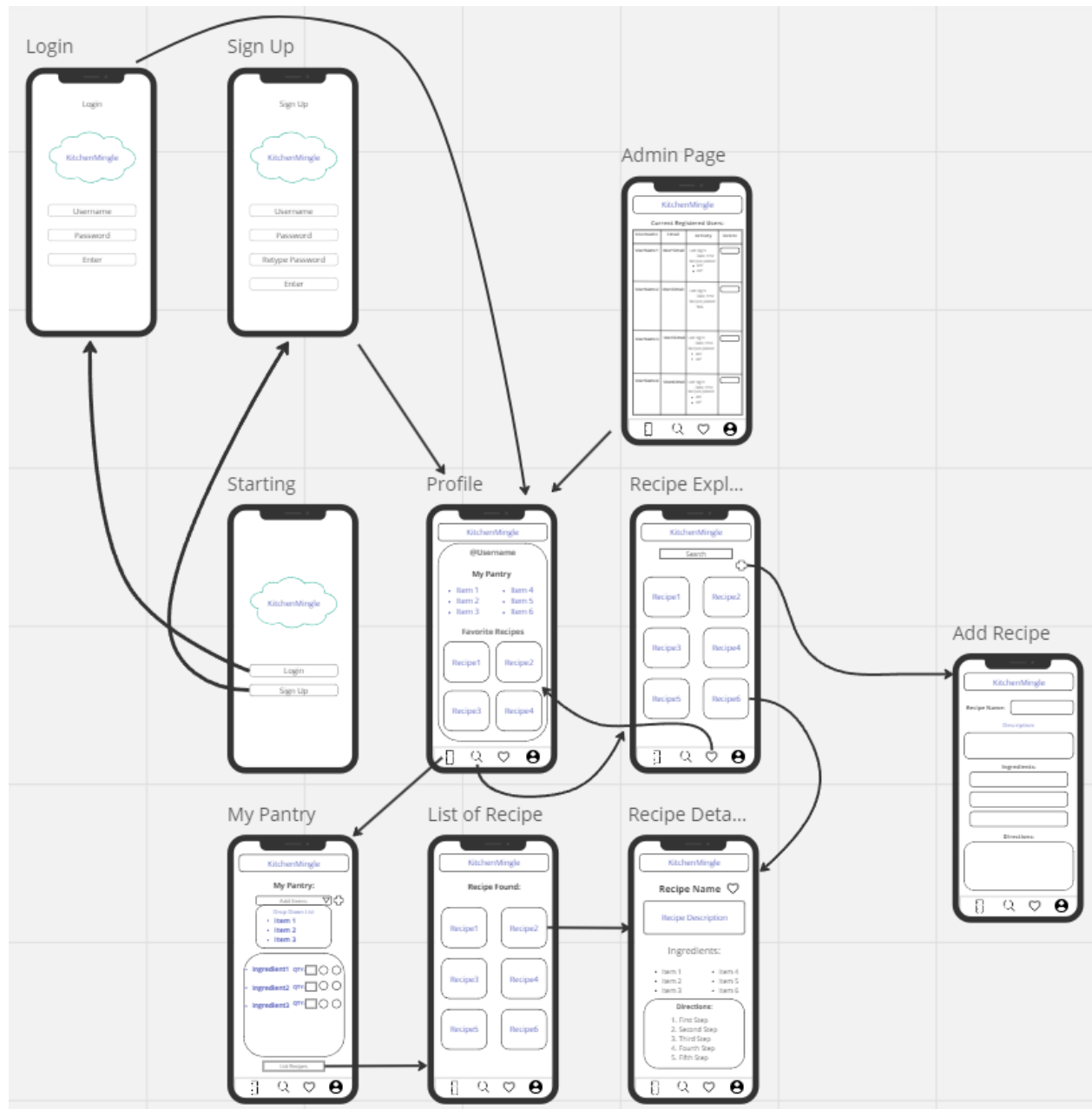
## Non-Functional Requirements

- The application should be able to handle an increasing number of ingredients and recipes
- The application should provide search result within 3 seconds of user input
- Regularly backup the database to prevent data loss
- The user interface should be user-friendly where it is easy for users to input ingredients and search for recipes
- The user should not have to wait for longer than 1 second for any UI element to respond.

## Tables and Fields

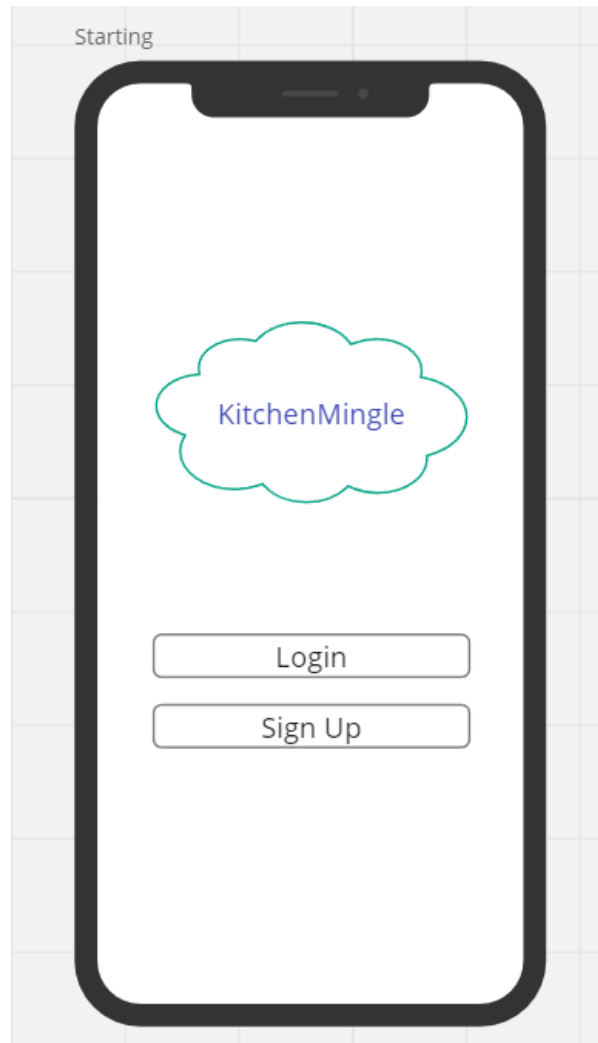
- Users: Tracks information related to a user's account
  - User Id - Primary Key
  - Username
  - Email
- Ingredients:
  - Ingredient Id - Primary Key
  - Ingredient name
- Recipes:
  - Recipe Id - Primary Key
  - Recipe name
  - Instructions
- Saved Recipe
  - Recipe Id - Foreign Key from Recipe-Ingredients table
- Recipe-Ingredients
  - Recipe Id - Primary Key
  - Ingredient Id - Primary Key
  - Quantity
  - Recipe Id - Foreign Key from Recipes table
  - Ingredient Id - Foreign Key from Ingredients table
- Recipe Ratings
  - Rating Id - Primary Key
  - Recipe Id
  - User Id
  - Rating
  - Recipe Id - Foreign Key from Recipes table
  - User Id - Foreign Key from Users table

## Screen Flow Diagram



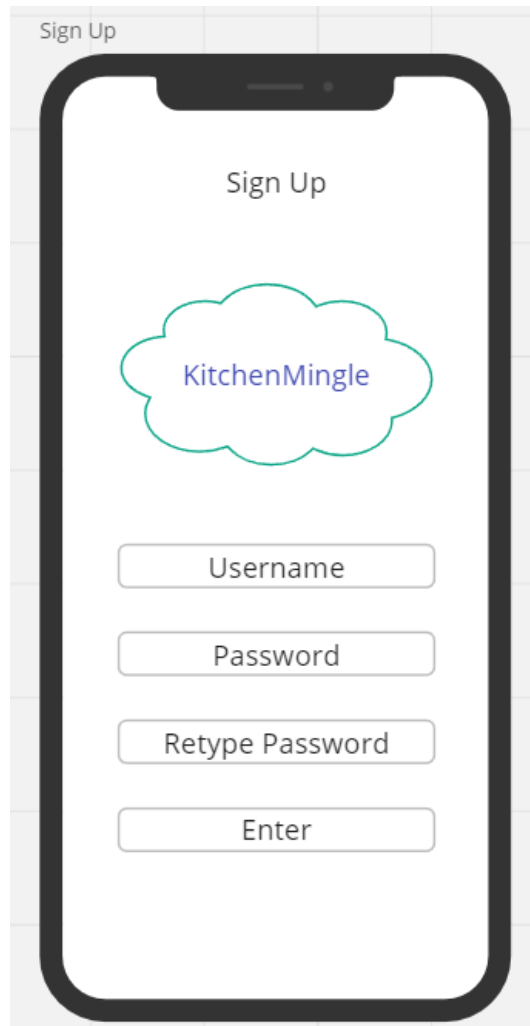
# Screens

## Starting Page



- Description:
  - The starting page is the first screen users encounter upon launching the application. It serves as the entry point for both new and returning users.
- Functionality:
  - New users are presented with a sign up option to register and enter the app.
  - Returning registered users are prompted to log in to access their profiles and features.

## Sign Up



Sign Up

Sign Up

KitchenMingle

Username

Password

Retype Password

Enter

- Description:
  - The Sign Up page is where new users create their profiles by providing necessary credentials.
- Functionality:
  - Users enter their desired username, email, and password.
  - Passwords are securely hashed and stored in the database.
  - Upon successful registration, users are redirected to the Profile page.

## Log In



- Description:
  - The Log In page allows registered users to access the app by providing their credentials.
- Functionality:
  - Users input their registered email and password.
  - The system verifies the credentials, granting access upon successful authentication.
  - Upon successful login, users are redirected to the Profile page.



## Profile



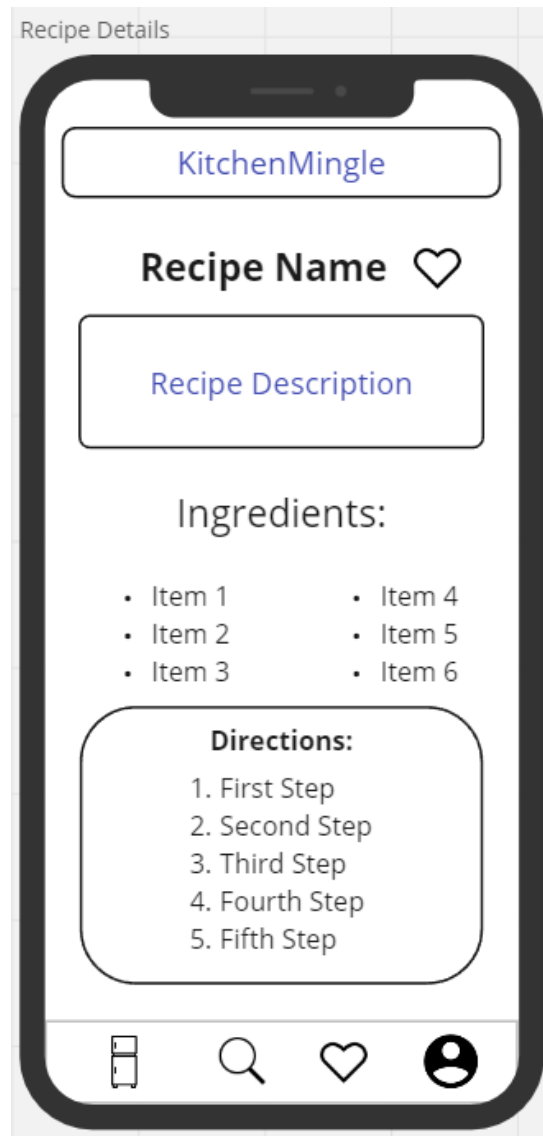
- **Description:**
  - The Profile page displays user-specific information and provides access to various functions.
- **Functionality:**
  - A list of saved recipes is displayed, allowing users to access their favorite recipes quickly.
  - A list of the main pantry ingredients is also displayed.

## Explore



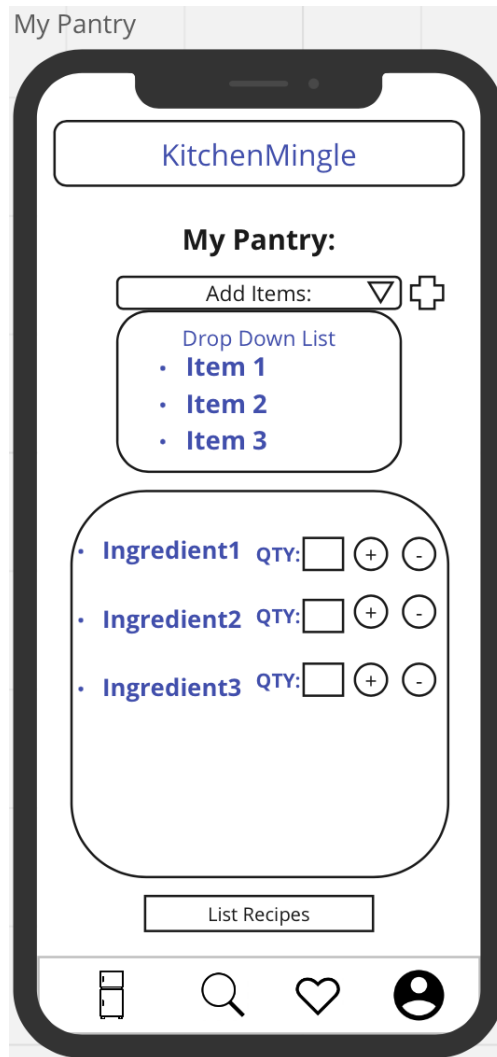
- Description:
  - The Explore page is the central hub for finding and discovering recipes.
- Functionality:
  - Users can enter keywords into a search bar to find matching recipes.
  - A list of recommended recipes is displayed.

## Recipe Details



- **Description:**
  - The Recipe Details page provides comprehensive information about a selected recipe.
- **Functionality:**
  - Users can view the recipe name, ingredients, ingredient quantities, and cooking instructions.
  - User ratings and reviews are displayed for the recipe.
  - Users can save the recipe to their "My Saved Recipes" list.

## My pantry



- Description:
  - My pantry is a feature for users to manage the ingredients they have on hand.
- Functionality:
  - Users can view a list of ingredients in their pantry.
  - They can add or remove ingredients from their pantry.
  - A "List Recipes" button allows users to find recipes based on their available ingredients.

## List of Recipe



- Description:
  - The page displays recipes matched by the ingredients users entered in the virtual pantry.
- Functionality:
  - A list of suitable recipes are displayed after user clicked on the "List Recipes" button from My Pantry page

## Add Recipe

Add Recipe





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Recipe Name:

Description:

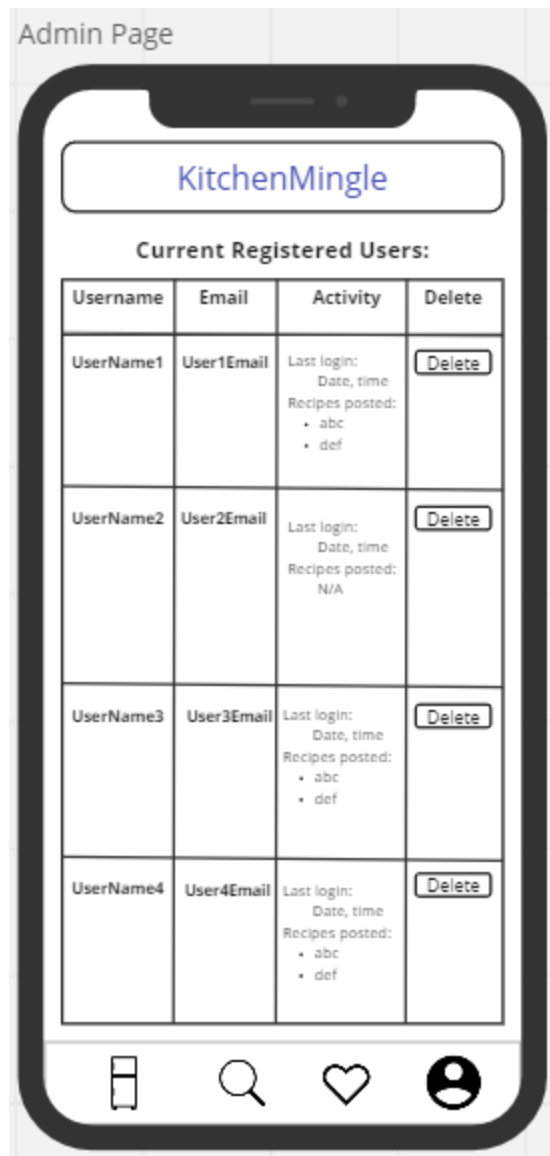
Ingredients:

Directions:

- Description:
  - The Add Recipe page enables certain users to save their own recipes into their personal profile and lets editors add/update recipes in the public database.
- Functionality:
  - Users will provide a recipe name, ingredient quantities, and cooking instructions.
  - Ingredients can be selected from the existing database or added as custom ingredients.

## Admin Page



### Description:

- Page only visible by application administrator that contains credentials and activities of registered users.
- Functionality:
  - Used by application administrators to monitor activities of registered users providing control and order to the application. Can be used to delete any user with inappropriate activity.