

Screen Sketches

Supper Solver

Team 2_Jabir_1

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Actors

1. Users:

Users are the primary audience for our app. They can post their own recipes and view, save, rate, and comment on others. User profiles will have a profile picture and a bio, and they will show any posted recipes. Users will also have an “inventory” where they can track the ingredients they already have at home.

2. Admins:

Admins have all the same functionality as users, plus admin privileges. Admins can delete inappropriate comments and recipes and ban users for repeated offenses.

3. Advertisers:

Advertisers can post ads that will show up on users’ recipe feeds. Users cannot leave ratings or comments on advertisements. Admins are able to delete advertisements or ban advertisers if they display inappropriate behavior.

Non Functional Requirements

1. Maintainability:

A big focus of our project is going to be keeping it organized and easy to maintain and add new features if needed.

2. Reliability:

Our project is going to focus on reliability and if we run into a problem the application will report it and we can fix it accordingly.

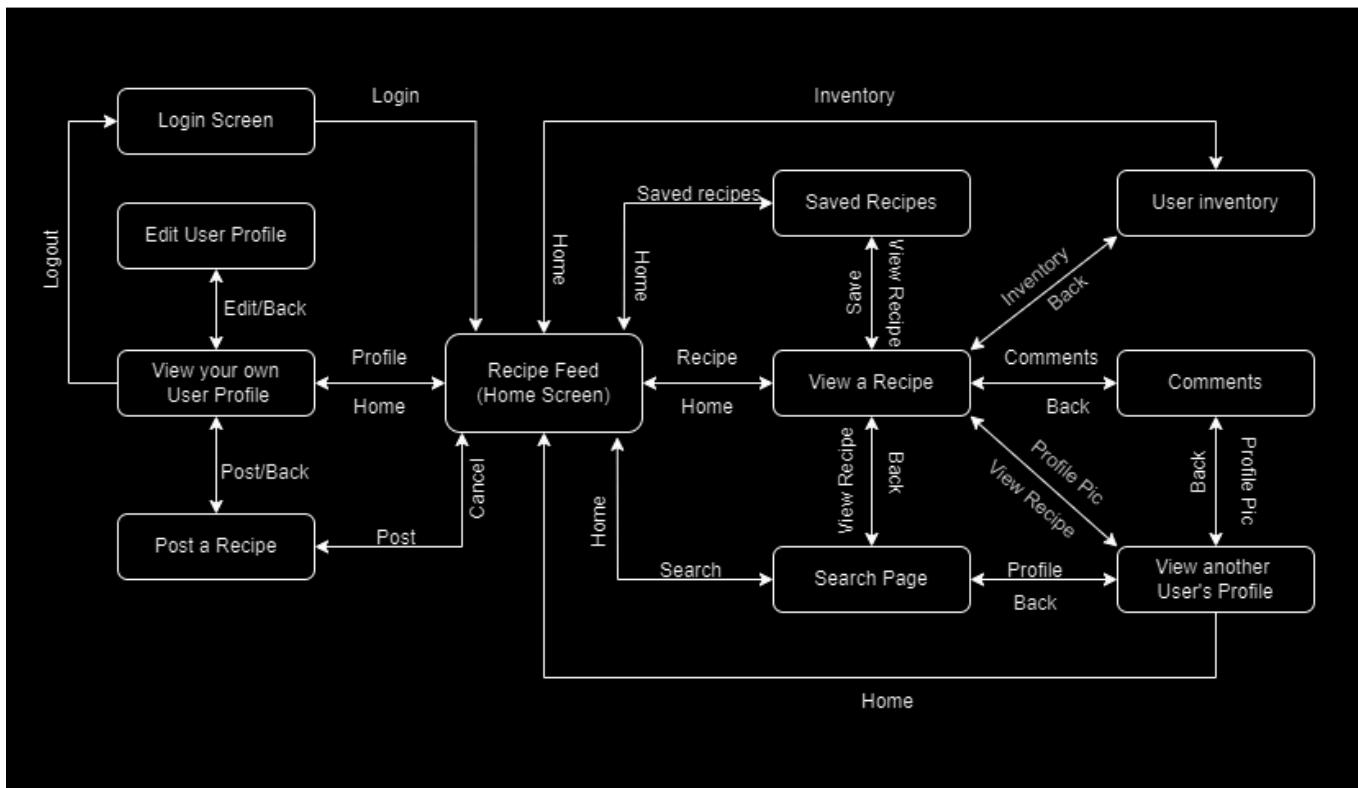
3. Scalability:

We will consider scalability when designing the project and try to design it in a way that it will support hundreds of users if needed.

Tables

- User Table
 - ID - Primary Key
 - Name
 - Username
 - Password
 - isAdmin
 - isAdvertiser
 - isBanned
- Ingredient Table
 - ID - Primary Key
 - RecipeID - Foreign Key to Recipe Table
 - UserID - Foreign Key to User Table
 - Name
 - Quantity
- Comment Table
 - ID - Primary Key
 - RecipeID - Foreign Key to Recipe Table
 - UserID - Foreign Key to User Table
 - Comment
- Recipe Table
 - ID - Primary Key
 - Description
 - Images
- Saved Recipe Table
 - ID - Primary Key
 - RecipeID - Foreign Key to Recipe Table
 - UserID - Foreign Key to User Table
- Rating Table
 - ID - Primary Key
 - Rating
 - recipeID - Foreign Key to Recipe Table
 - userID - Foreign Key to User Table

Screen Flow



Screen Sketches

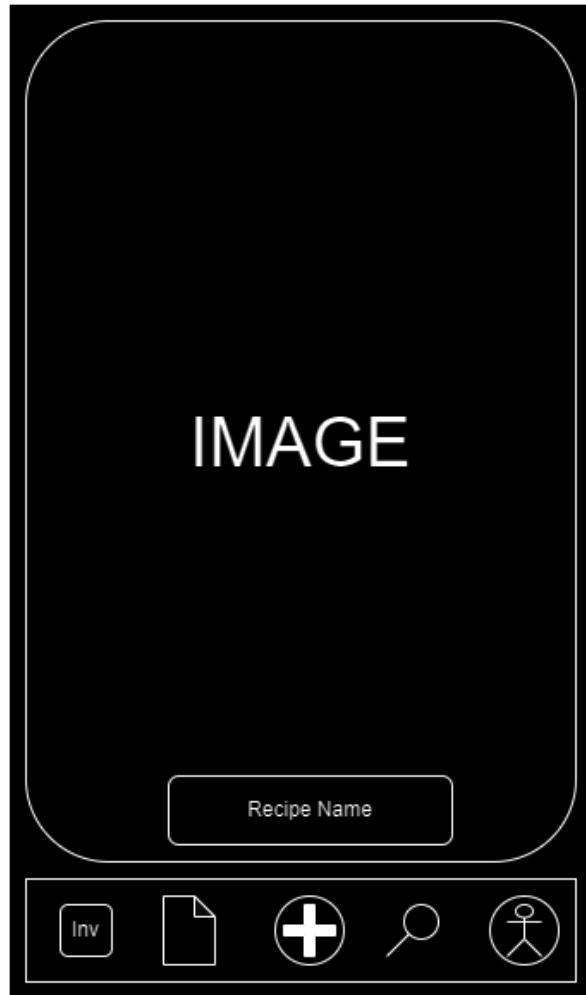


Figure 1: Recipe Feed - Home Screen (Ryan Holden)

The Recipe Feed is our home page where users can see popular recipes and access other important screens. An image of the current recipe occupies most of the page. Users can tap on the name to view the recipe screen(figure 3), or swipe down to see a new recipe. The icons along the bottom switch the view to the following screens (in order from left to right): User Inventory (figure 2), Saved Recipes (figure 4), Post a Recipe (figure 5), Search (figure 6), and User profile(figure 8).

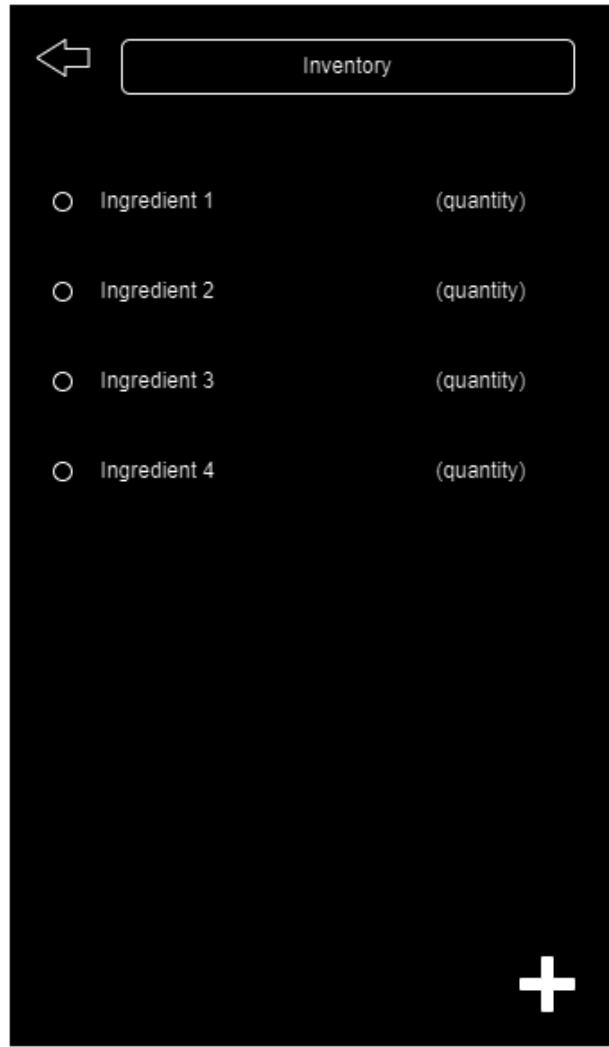


Figure 2: User Inventory (Ryan Holden)

The user inventory shows a list of the ingredients the user has at home and can be accessed from the home page or a recipe screen. Users can modify the quantity of any ingredient on the list. They can add new ingredients by tapping the plus icon in the bottom right. The back arrow in the top left corner will take the user back to whatever screen they were previously on.

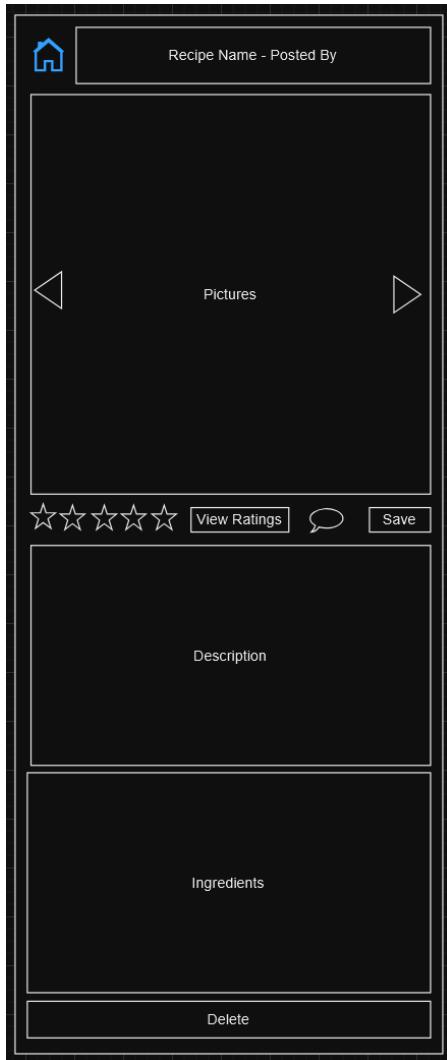


Figure 3: Recipe Screen (Aden Koziol)

The Recipe Screen can be reached by clicking on a recipe from the Home Screen, Saved Recipes, or Search. This screen features a home button in the top left which will return the user to the Home Screen when clicked. Next to the home button it also shows the recipe name and the user who posted it. There will also be a carousel of pictures that has arrows on either side to cycle through them. There is also the stars for rating the recipe which will show the average next to it where it says “View Ratings”. There is a speech bubble next to ratings which will lead to the Comments Page. There is a button to the right of that that says “Save” which will save the recipe to the Saved Recipes Screen. The “Description” and “Ingredients” tab which will display the information that is entered by the user. Lastly, there is a delete button that will only show for admins. Clicking this will delete the recipe so no user can view it.



Figure 4: Saved Recipes (Aden Koziol)

The Saved Recipe Screen is reached from the Home Screen. This screen features a home button in the top left which will direct the user back to the home page. A title that says “Saved Recipes” so the user knows what page they are on. There is then a list of all the recipes that the user has saved. Each of those recipes features a picture of the recipe, the name, and a button to remove the recipe from the user’s saved recipes. Clicking on one of the recipes will lead the user to the Recipe Screen.

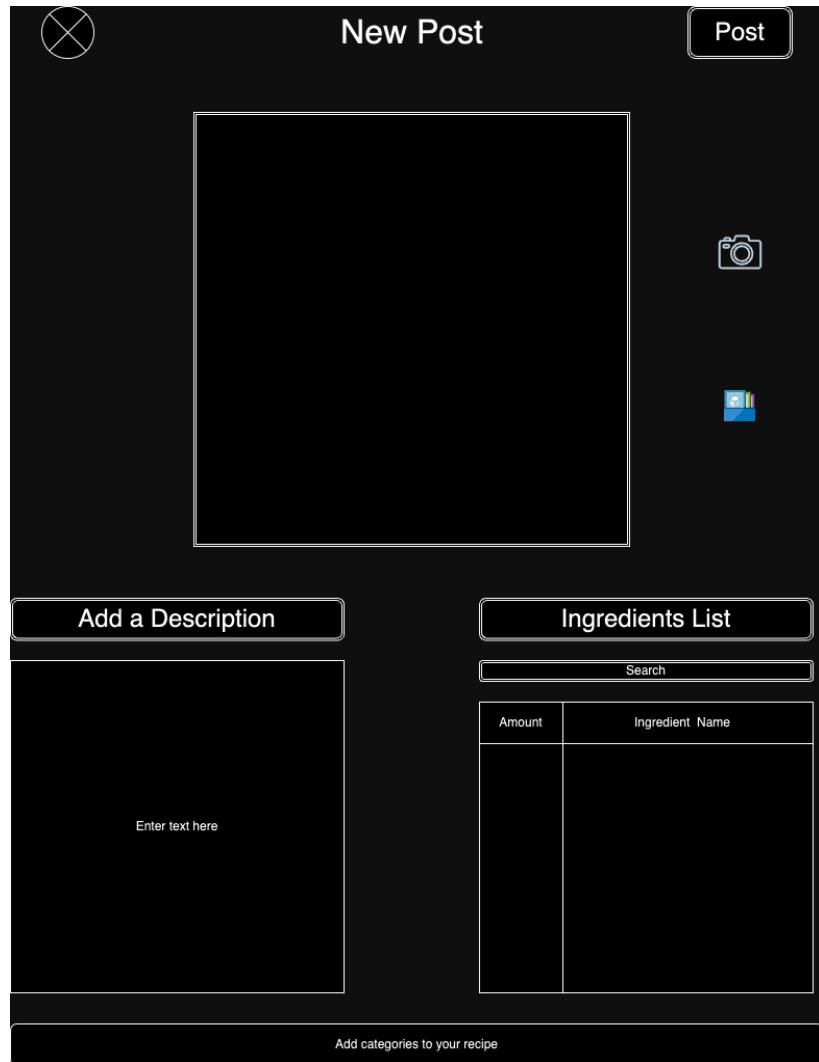


Figure 5: Post a Recipe (Brandon Liao)

The new post page can be accessed from the user profile screen. At the top there is a cancel button which returns the user to the home screen and a post button which posts the current post considering certain requirements are met. It also contains an imageview containing either one or multiple images that the user can upload to the post. Next to the imageview there is a camera button and a gallery button. The camera button allows the user to take a picture and upload it to the post and the gallery button allows the user to search through their photo gallery for pictures to upload to the post. Below that, there is a section which allows the user to add a description to their post and a section that allows the user to add an ingredients list to the post (which includes the amount for specific ingredients.)

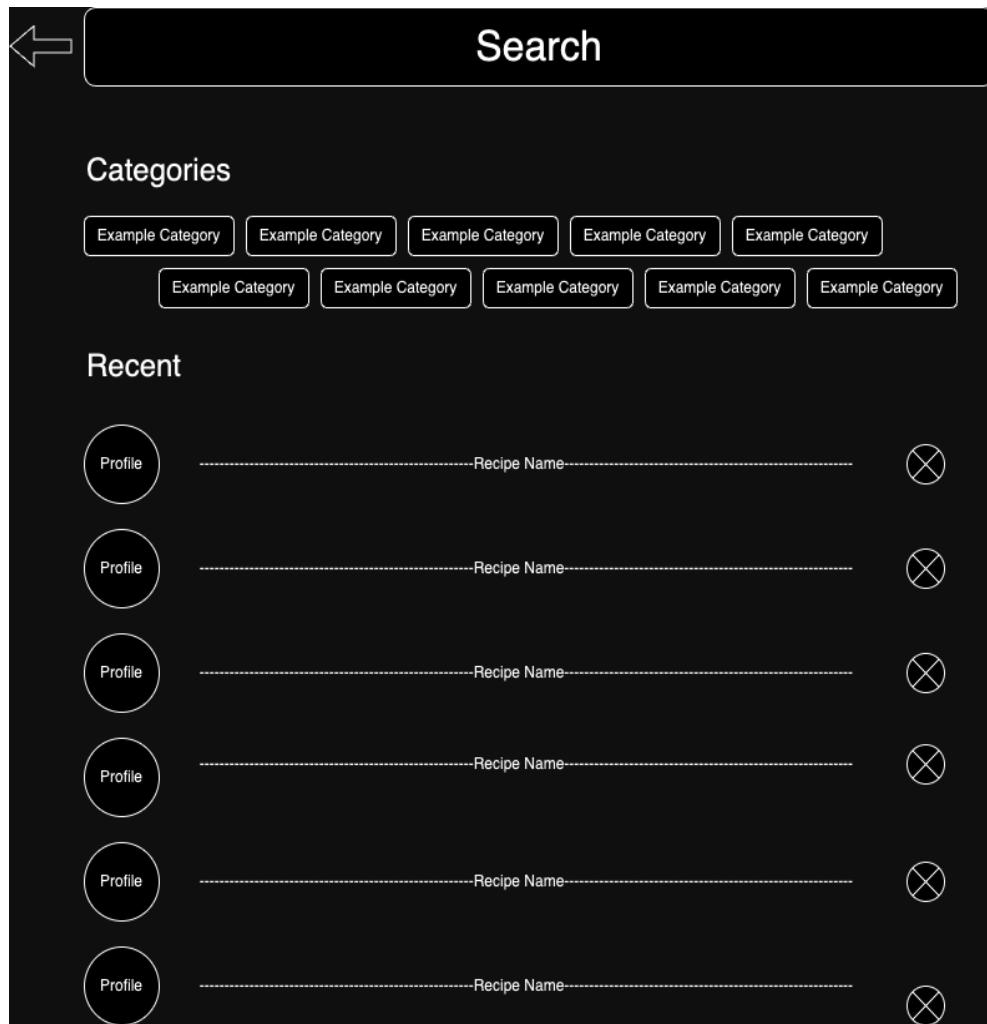


Figure 6: Search Page (Brandon Liao)

The search page can be reached from the home screen and can also be backtracked too after viewing a certain category or recipe. It contains a search bar which when clicked on allows users to search for specific recipes. It also has a back button which returns to the home page, a list of categories which can be clicked to filter results, and a view of recent profiles/recipes that the user has viewed previously. These recent profiles/recipes can be clicked on and accessed opening either a specific user profile or recipe.

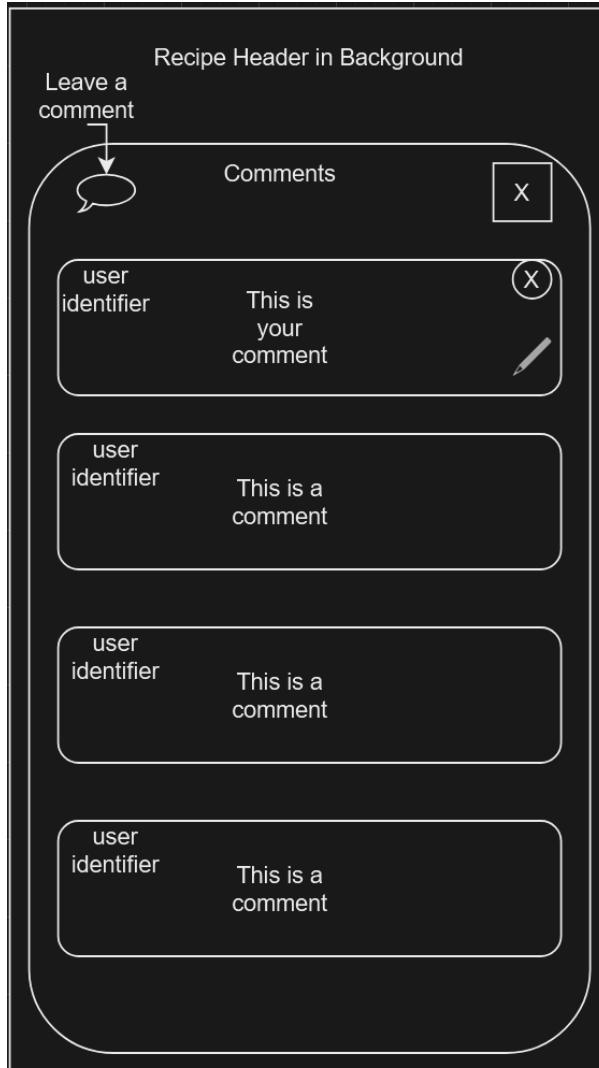


Figure 7: Comments Screen (Carson Irving)

The comments screen is reached from a specific recipe. This screen displays all of the current comments on a recipe, has a close button to get back to the recipe information, and has a comment button to leave a comment of your own. The comment screen will show a portion of the recipe at the top to give the user context of what recipe they are commenting on. Each comment also displays the user name of the user to show who left the comment. If you are the poster of a comment you will also have the option to delete the comment, or edit the comment.

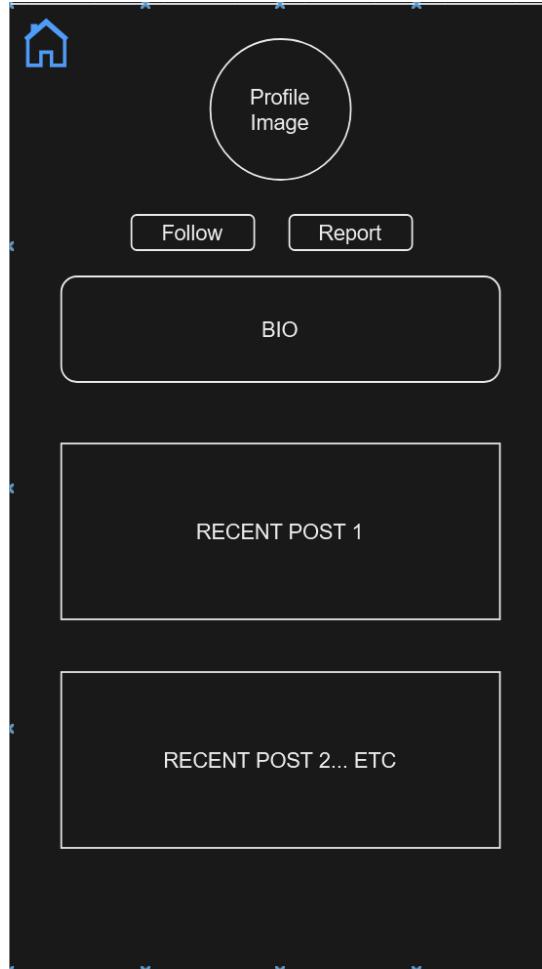


Figure 8: User Profile (Carson Irving)

The user profile screen can be reached from a recipe screen, by clicking on a user in the comments, or by searching for a user. It has a button to go back to the home screen, has the user profile picture, bio, recent posts, and buttons to follow or report the user. Reporting the user profile will add a report to a table that admins can access. Tapping on a post will open that recipe's screen. If the user is viewing their own profile, the buttons edit and log out will be in place of follow and report.