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**High-Level Requirements**

We must make a web application that allows users to share, rate, save and communicate on/regarding recipes. We will allow registered users to post pictures and recipes as well as edit, and delete their posts.

**Pages Required:****Login:**

The login page will display the web application logo and a field for a username and password. It will also display a forgot password button in which a user can recover their password hint by entering their username. If a user enters the correct username and password, it will redirect them to the home page. If not, it will display an error message. If a user wants to create a new account, there will be a button they can click and it will prompt them for a username, password, and a password hint. Their account will then be added to the list of accounts for the web application.

**Search:**

We need a search page that allows a user to search for different recipes by specific dish names, cuisines, and/or keywords that would match the recipe. This page should also allow users to search for other users by either their specific name or by trends they are related to. This search page will also have a filter function so the users can sort results alphabetically, by most popular, etc.

**Home/Explore:**

The home page will allow users to see and interact (comment, rate, save, or share) with recipes that users that they follow have posted. Users will only be able to perform these interactions if logged in. They can also click on a toggle to switch them over to the explore page. This page is the exact same as the follower page in which it displays recipe posts that a user can interact with, however, it shows recipes that are recommended to the user because they are the most popular, not because they follow the user that posted the recipe. If a user is not logged in, they will only see a generic feed with the most popular posts.

#### Groups/Messaging:

The groups page will allow users to message other single users on the app or other groups of users on the app. This page will allow for the creation of groups and the sending/receiving of messages and posted recipes between users in these groups or from user to user. If a user is not logged in, it will prompt them to log in to their account.

#### Account:

The account page will allow a user to post a recipe, delete a recipe they have posted, view saved recipes, edit recipes they have posted or edit their account settings like username, password, bio, and privacy settings. A user can also view another user's account, in this case, it will show the other user's username, bio, and the recipes they have posted. If the user is private, it will only show their username and bio to other users. If a user is not logged in, it will prompt them to log in to their account.

#### **Account Functions:** [The following is only allowed if users are logged in.]

##### Posting:

When posting, users will be asked to upload at least one image and fill out a built-in form or upload a pdf with the recipe which will be linked to the image. They will also be asked to provide a description of their picture and recipe.

##### Deleting:

Users are able to delete posts they have uploaded which will also remove it from all other users' accounts if they have saved it.

##### Editing:

Users will be able to edit their posts by adding/removing images and/or updating the recipe by editing the recipe form they filled out or uploading a new pdf. The post will be forever marked as edited so that users know it may be changed from when they have last seen it.

##### Settings:

Users can edit their username and change it to any username that is not taken by another user. They can edit their password by entering their previous password and new password twice. They can edit the visibility of their account (public or private) and their account picture and/or description. If private, recipes cannot be viewed by users that are not following the user. To follow a private user, that user must accept the following request.

#### **Post Interactions:** [The following with the exception of view accounts is only allowed if users are logged in.]

##### Comment:

Users can leave a comment about their experience with the recipes they have

tried.

Rate:

Users will be able to rate the recipes from 1 to 5 stars, based upon their experience.

Save:

The application allows its users to save recipes for future use.

Share:

Posts can be sent in the group chats or by direct messaging in the app or by a link that can be copied to share outside of the app.

View Account:

A user can click on any other user's username and view their account. This action can happen anytime a user sees another account's username.