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Technical Specifications

Login (2 people, 4 hours)
- Display a form with a username field, email field, password field, "Forgot Password" button, and Login button
- Look up the user's entered username and password, if not in database, return the proper error message
- Clicking login redirects users to the home page if their email and password exist
- If a user requests their password hint, must check to see if their username exists, if so return the password hint, if not return the proper error message

Signup (2 people, 4 hours)
- Display form that allows user to enter email and password
- Clicking sign up redirects user to the home page
- If a user chooses to create an account must take their username, password, and password hint and add it to the map of accounts

Forgot password/Password Hint (1 person, 4 hours)
- Provide the user with the password hint they defined at account creation if they input the correct username and email combination.

Home/Explore Page (4 people, 16 hours)
- Scrollable page that shows the posts ordered by recency
- Display recipe rating
- Must show the posted recipes of the users that the current user follows with the most recent recipes at the top
- Must access and pass to the server older recipes as the user scrolls down
- When a post pops up on a user's home page it must add one to that posts view count
- Must access and pass to server the average rating of the recipe
- There must be a button to click that switches from the home page to the explore page

- When switching to explore page, no longer shows posts of users who the individual is following but rather shows the most popular posts within the past week

Groups (4 people, 16 hours)
- Display that shows all of the user's current chats in chronological order (message sent or received)
- Tapping on each message leads to a page that shows the thread of messages sent and received between the user and either one other user or a group of users. The user's own messages will be in one color and each other user's messages will be their own unique color.
- Allows users to directly share posts in the message thread which another user can tap on and be redirected to that post
- Must have posted recipes and shared messages within each group with the most recent messages on the bottom

Search (3 people, 12 hours)
- Must look in the database for different recipes or users that match what the user enters into the search box, and then pass these results to the server (SQL search) to check what is most similar to what the user entered)
  - This could be other users
  - This could be recipes of dishes of a certain cuisine
  - This could be recipes of a certain dish

Individual Posts (picture and recipe) (2 people, 8 hours)
- Must access and pass to the server the image and description of the recipes, as well as the most recent 5 comments.
- Must access and pass to server the cuisine, time the recipe was posted, and the view count
- Must calculate and show rating of recipe based upon different user's ratings of said recipe
- If a user selects more comments, must access and pass to the server the five most recent comments that aren't displayed
- If a user adds a comment, add the comment to the list of comments for that post
- When a user adds a rating must add that rating to the list of ratings and recalculate the average
- If a user saves a recipe adds the recipe to the user's list of saved recipes

Account (3 people, 12 hours)
- When clicking on or searching up a user's account, display a page that shows (if public):
  - A preview of the recipes posted by the user
  - The user's average rating

- - The user's username
    - The user's bio
    - The users amount of followers, following, and posts
    - If you are viewing your own account, a tab for saved posts
  - If private, all that can be seen is:
    - The user's average rating
    - The user's username
    - The user's bio
    - The users amount of followers, following, and posts

<u>Settings</u> (1 person, 4 hours)
- Settings page found within account profile (click the gear icon)
- Allows the user to change their name, profile image, username, password, bio, or privacy settings and then updates those values within that account object
- If a username is taken up, do not allow user to switch to that username, prompt user to enter a new username

<u>Database</u> (2 people, 6 hours)
User Table:
- There will be a User table for validating users which consist of userID, email, password, password hint, fname, and lname.
- Table will be used for managing users' profiles
- Must have a userID
- Must have a profile image
- Must have the average rating of all their recipes
- Must have whether they are public or private
- Must have a list of followers
- Must have a list of who they follow
- Must have a list of their saved posts in order of most recently saved (for saved page)
- Must have a list containing each of their posted recipes and image by postID

Post Table:
- Table will store each individual post by all users
- Must have a postID
- Must have the image of the recipe
- Must have the description (string)
- Must have the cuisine
- Must have the average rating of the recipe
- Must have the comments on the recipe
- Must have the time in which the recipe was posted

- Must have the amount of views in the past week (for explore page)

Groups Table:
- Table that keeps track of different message groups
- Must have a groupID
- Must contain the userIDs of users part of the group

Individual Messages:
- Must contain the contents of the message (either recipe or text)
- Must contain the time the message was sent
- Must contain who the message was sent from