CS 30700
Sprint Planning 3

Team 32:
Michael Li, Ryan Leonard, Khoa Raisr, Andree Kolliegbo, Anh Nguyen, Tim Chou

Index

Sprint Overview:

In this sprint, we hope to finetune the community tab of the Recipe Remix website. Our focus for this sprint will be aimed at allowing the users to interact and share their posts with the communities. Fetching, posting, editing, and deleting posts are all essential functions the user should be able to do by the end of this sprint. This will involve editing the post objects that store the data we fetch from our database, and giving user's all the necessary functions to save, create, edit and delete these objects as they please, as well as developing the necessary UIs to facilitate this interaction.

Scrum Master: Andree Kolliegbo

Meeting Plan:
- Monday 3:30 pm with Project Coordinator
- Monday, Wednesday, Friday 11:30 am
- Sunday 2:00 pm

Risks and Challenges:

We are working on implementing more communication, checking in on each team member, and building structure into our daily team meetings to aid in productivity. We will also be working on aligning our schedules and keeping motivation high during the last sprint. Our main focus will also be cleaning up all of user interface and increasing ease of user interaction in preparation of the final presentation.

Current Sprint Detail:

User Story #1 (Khoa) (DONE)

As a user, I want to rate other users' posts with stars

#	Description	Time Estimate	Owner
1	UI for the rating feature.	2h	Khoa
2	Saving into the backend and computing and displaying the number of reviews and average rating.	2h	Khoa
3	Displaying average rating when in the posts and in the post previews.	1h	Khoa
4	Implement an interactive hover effect for users to see the preview of their rating when hovering over the stars.	1h	Khoa
5	Testing	1h	Khoa

Acceptance Criteria:

- ☐ Given that I am viewing a post, I should have an option to rate the post out of 5.
- ☐ When I hover over the rating field, I should see the icon change as I hover over it based on my mouse placement.
- ☐ When I hover over the rating field, there should be a numerical indicator of the rating based on my mouse placement.
- ☐ If I hover over ratings and hover out of the rating field without clicking, the rating should not save.
- ☐ When I choose a rating and I click it, the rating should save and update the overall post rating.

User Story #2 (Ryan)

As a user, I want to be able to comment on posts.

#	Description	Time Estimate	Owner
1	UI for comment section	2h	Ryan
2	Implement a UI to add comments (editing fields).	1h	Ryan

#		Time Estimate	Owner
3	Modify the schema to include posts and create an endpoint for creating new comments.	2h	Ryan
4	Testing	1h	Ryan

Acceptance Criteria:

- ☐ Given I am on a post, I can click the comment label to post a comment on the post.
- ☐ Given I have written out a comment, if I hit submit, the comment will appear below the post.
- ☐ Given I have submitted a comment, the comment will display the text I have typed, my username, and the rating of the comment.
- ☐ Given I have typed out a comment, If I hit cancel, the comment will not be submitted.
- ☐ Given I am on a post with other comments on it, I can click on the 'reply' label to make a reply to another comment.
- ☐ Given I have replied to a comment, it will appear below the original comment and will display my username.
- ☐ Given I am on a comment/reply I have created, I will have the ability to delete it. But if I am on a comment I haven't created I will not.
- ☐ Given I have deleted a comment/reply, it will no longer appear in the comment section

User Story #3 (Ryan)

As a user, I want to upvote or downvote comments.

#	Description	Time Estimate	Owner
1	UI for upvote and downvote buttons	1h	Ryan
2	Logic for rating increase/decrease when buttons are pressed	.5h	Ryan
3	Backend logic for updating comment rating	1h	Ryan
4	Testing	1h	Ryan

Acceptance Criteria:

- ☐ Given I am browsing a comment, I can click on the upvote button to upvote the comment.
- ☐ Given I am browsing a comment, I can click on the down vote button to downvote the comment.
- ☐ Given I have upvoted a comment, that comment's rating will increase by 1.

- ☐ Given I have downvoted a comment, that comment's rating will decrease by 1.
- ☐ If I upvote a comment and then click on the upvote button again, the rating will decrease and my upvote will be removed. This will be the same for clicking the down voted on a comment I have already downvoted.
- ☐ If I upvote a comment and then click the downvote button, the upvote will disappear and the downvote will appear, decreasing the comment's rating by 2.
- ☐ If I downvote a comment and then click the upvote button, the downvote will disappear and the upvote will appear, increasing the comment's rating by 2.
- ☐ If there are multiple comments in the comment section, the comments will always be ordered from highest to lowest.

User Story #4 (Ryan)

As a user, I want to be to sort Posts by 'recentness' or by 'rating'

#	Description	Time Estimate	Owner
1	UI for sorting buttons	0.5h	Ryan
2	Logic to redisplay comments section based on recentness, and updated UI	2h	Ryan
3	Logic to keep track of time at which every comment is made	1h	Ryan
4	Logic to redisplay comments section based on rating, and update UI	3h	Ryan
5	Testing	1h	Ryan

Acceptance Criteria:

- ☐ Given I am on a post, I can click "Recentness" to sort the posts section by newest.
- ☐ If I click sort by new, the posts will be displayed so that the newest posts are at the stop and oldest posts are at the bottom.
- ☐ Given I am on a post, I can click "Rating" to be presented with options to sort by highest or lowest.
- ☐ If I click sort by rating, by default, the posts section will be redisplayed so that posts with the highest rating will be displayed at the top and the lowest rated posts will be at the bottom.
- ☐ I can click on "highest to lowest" and change it to 'lowest to highest" to change the order of the ratings.

User Story #5 (Louis) (Done)

As a user, I want to be able to share my recipes to other social media platforms.

#	Description	Time Estimate	Owner
1	UI for share buttons	1 hr	Louis
2	Implement functionality to generate a shareable URL for a recipe.	3 hrs	Louis
3	Implement functionality to share the recipe URL, and metadata to the selected social media platform when a user clicks on the corresponding icon.	3 hrs	Louis
4	Implement a pop-up or dropdown menu that appears upon clicking the "Share" button, listing the available social media platforms.	3 hrs	Louis
5	Testing	1 hr	Louis

Acceptance Criteria:

- ☐ The URL and metadata should be viewable upon sharing to other social media platforms.
- ☐ The shared post should be formatted in a visually appealing format.
- ☐ When I hover over the share button, the cursor should indicate that it's clickable.
- ☐ The buttons for sharing should be different for each media platform (e.g: Facebook Icon for sharing to Facebook, etc.)
- ☐ Upon clicking on share to other social media platforms, the user should be redirected to the correct platform that they choose.

User Story #6 (Andree)

As a user, I want to be able to rate my remixed recipe by difficulty.

#	Description	Time Estimate	Owner
1	Edit the post object to add a difficulty rating	1 hr	Andree
2	Create UI for user to input difficulty rating when making a post	2 hr	Andree
3	Add a tag to user schema for users to search by difficulty	2 hr	Andree
4	Create API endpoints or routes to handle the data.	1 hr	Andree
5	Logic to retrieve and display the difficulty ratings associated with each remixed recipe	3 hr	Andree
6	Ensure that other users can view difficulty rating in description	1 hr	Andree
7	Testing	.5 hr	Andree

Acceptance Criteria:

- ☐ Users should be able to provide a difficulty rating on a defined scale- a dropdown menu
- ☐ Users should not be able to submit a rating outside the defined scale or with invalid data when editing.
- ☐ Difficulty level should be reactive when the user hovers over to select
- ☐ Difficulty should be clearly displayed on the user's post.
- ☐ Rating scale should be clearly communicated to users when they provide a rating (e.g., "Rate this recipe's difficulty: Beginner Friendly, Intermediate Cook, Master Chef").

User Story #7 TIM

As a user, I want to specify the privacy level of my profile [private or public].

#	Description	Time Estimate	Owner
1	Create a button to specify private or public profiles	1 hour	Tim
2	Create backend route to store profile settings	2 hour	Tim
3	Ensure when profile is opened from the community page, if	2 hours	Tim

	the private is set to private, post by that user will not be visible		
4	Ensure when profile is opened from the community page, if the private is set to public, post by that user will be visible	2 hour	Tim

Acceptance Criteria:

☐ Users should be able to click on a button that will toggle between private and public profile

☐ Changes made should be saved even if the user refreshes the website

☐ User should be able to see the button change color when being hovered

☐ When the profile is set to private, when other user click on this profile, post should not be visible

☐ When the profile is set to public, when other user click on this profile, post should be visible

User Story #8 (Andree)

As a user, I would like to be able to make posts with [hash]tags.

#	Description	Time Estimate	Owner
1	Modify the database schema to include a field or table for storing tags associated with posts	1 hr	Andree
2	Design and create user interface elements for adding and displaying hashtags in posts	2 hr	Andree
3	Dropdown of suggested hashtags	3 hr	Andree
4	Implement validation and error handling to ensure that users can only submit valid hashtags and that there are no duplicates or special characters	3 hr	Andree
5	Implement the API endpoint	2 hr	Andree

#	Description	Time Estimate	Owner
	and logic for creating a new post that includes hashtags		
6	Store the extracted hashtags in the database, associating them with the created post.	2 hr	Andree
7	Create API endpoints for retrieving posts that contain specific hashtags	2 hr	Andree
8	Make each hashtag clickable and link to a search page that displays posts containing that hashtag	1 hr	Andree
9	Testing	.5 hr	Andree

Acceptance Criteria:

- ☐ Users should be able to include hashtags in the post content.
- ☐ Users should be able to add one or more hashtags to their post.
- ☐ As a user, my hashtags should be clickable in the sidebar.
- ☐ As a user, I would like to unselect all tags on my post.
- ☐ The hashtag list should be scrollable if it exceeds the page length, with an intuitive scroll interface.

User Story #9 (Andree)

As a user, I would like to filter posts by [hash]tag.

#	Description	Time Estimate	Owner
1	Create a database query to retrieve all unique hashtags from the database	1 hr	Andree
2	Design and create a user interface page to display all hashtags	3 hr	Andree
3	Implement an API endpoint to serve the list of all hashtags when a request is made	1 hr	Andree
4	Implement scroll if the list of hashtags is too long to fit on a	1 hr	Andree

Acceptance Criteria:

- ☐ As a user, I would like for my hashtags to be clicked.
- ☐ As a user, upon clicking on a hashtag, I would like to be taken to the other posts with the same hashtag.
- ☐ If a user clicks on multiple tags, the posts including any of the tags selected should appear
- ☐ As a user, I would like to unselect all tags.
- ☐ As a user, I would like for my filtered posts to be sorted by highest rating

User Story #10 (Tim)

As a user, I would like to make changes to my posts.

#	Description	Time Estimate	Owner
1	UI for post editing mode.	2h	Tim
2	Edit button + functionality	1h	Tim
3	UI prompted when edit button is clicked	2h	Tim
4	Save button to save changes made with edit button	1h	Tim
5	Cancel button to cancel changes made with edit button	1h	Tim
6	Create an endpoint for updating a post in the database	2h	Tim
	Testing	1h	Tim

Acceptance Criteria:

- ☐ As a user, i would like to click on a button on my post that will show drop down menu which will give me the option to select editing mode

□ As a user, if I click on editing mode, there should be UI prompting me to make changes
□ As a user, if I made any changes and do not click on the submit post button, reloading the page should not save my changes
□ As a user, if I made any changes and click on the submit post button, reloading the page should save my changes
□ As a user, if I click on the close button, it should return me to previous screen, closing the prompted pop up UI
□ As a user, if I click on the next button, the corresponding ui should show with saved information.
□ As a user, if I click on the previous button, the previous ui should show with saved information.

User Story #11 (Tim)

As a user, I would like to delete my posts permanently

#	Description	Time Estimate	Owner
1	UI for post delete mode.	2h	Tim
2	Delete button + functionality	1h	Tim
3	UI prompt with confirm and cancel deleting post	1.5h	Tim
4	Functionality, UI, and style for confirm and cancel button	2h	Tim
5	Create an endpoint for deleting a post in the database	2h	Tim
	Testing	1h	Tim

Acceptance Criteria:

□ As a user, I would like to click on a button on my post that will show drop down menu which will give me the option to deleting posts
□ As a user, if I click on deleting mode, there should be UI prompting me to confirm changes
□ As a user, if I click on cancel in the pop up UI, it should not delete my post
□ As a user, if I click on confirm in the pop up UI, it should delete my post
□ As a user, at any point before confirming deleting a post, if I refresh the website, it should not delete any post.

User Story #12 (Ryan)

As a user, I would like to be presented with a welcoming landing page.

#	Description	Time Estimate	Owner
1	UI and functionality for scrolling panels	1h	Ryan
2	UI for about page	2h	Ryan
3	UI for contact page	1h	Ryan
4	General UI improvements	30mins	Ryan
5	Testing	1h	Ryan

Acceptance Criteria:

☐ Given I am on the landing page, I should be able to scroll through a list of panels showcasing various recipes and images related to recipe remixes.

☐ When I'm on the landing page, I should be able to navigate to the 'about' page from the navbar.

☐ When I'm on the landing page, I should be able to either login or signup from the navbar.

☐ When I'm on the landing page, I should be able to navigate to the contact page, where I will be able to send messages for recipe remix related help.

User Story #13 (Louis) (Done)

As a user I want to view posts that are made by other people using the app.

#	Description	Time Estimate	Owner
1	Implement a database query to fetch posts made by users.	2 hrs	Louis
2	Develop an API endpoint that accepts a user ID and returns a list of posts made by other users.	3 hrs	Louis
3	Design and implement a "Feed" or equivalent section in the user interface to display posts from other users.	5 hrs	Louis

#	Description	Time Estimate	Owner
4	Implement functionality to query the backend API endpoint with the user's ID to fetch and display posts from other users.	3 hrs	Louis
5	Testing	1 hr	Louis

Acceptance Criteria:

☐ As a user, When I visit the community page, I want to see the "Feed".

☐ As a user, I want to see posts from people that are using the platform within the "Feed".

☐ Each post in the "Feed" should display necessary information such as the poster's name, post content, and how long ago it was posted (1h, 1w, 1mo, etc.).

☐ The "Feed" should load posts in a timely manner without significant delay.

☐ The design and layout of the "Feed" should be consistent with the overall theme and user interface of the application.

User Story #14 (Michael)

As a user, I want to start a new conversation with another user so I can privately discuss a recipe

#	Description	Time Estimate	Owner
1	Create backend model for messages which references both the sender and receiver user IDs and contains an array of messages	2 hrs	Michael
2	Set up an API endpoint that allows initiating a new conversation between two users	2 hrs	Michael
3	Design frontend UI for DM/conversation	3 hrs	Michael
4	Implement authentication and authorization on the endpoint to ensure only valid users can start a conversation	2 hrs	
5	Develop a frontend modal or dedicated page where users can type and send their initial message after clicking the	1 hrs	Michael

	"start conversation" component		
6	Integrate the frontend and backend, ensuring that when a user starts a conversation and sends a message, it's saved in the database	2 hrs	Michael
7	Testing	1 hr	Michael

Acceptance Criteria:

- ☐ Given I am on a user's profile or on the profile dropdown menu, I should see an icon/component indicating a direct messaging feature
- ☐ When I click on the message option, I should be presented with a modal or a dedicated messaging page where I can compose my initial message
- ☐ Given I have typed a message in the provided input area, when I click "Send", my message should be transmitted to the user who is receiving the message
- ☐ Given I have typed a message in the provided input area, when I click "Enter/Return", my message should be transmitted to the user who is receiving the message
- ☐ Given I have sent a message, the conversation item will display the last message sent
- ☐ Given I have sent multiple messages, a scroll bar will appear and we can scroll through the messages
- ☐ Given I have already started a conversation with a user, when I attempt to start another one with the same user from their profile or recipe detail page, I should be redirected to our existing conversation
- ☐ Given I have started a new conversation with another user, when I message them, the message should appear at the top in chronological order of the last message sent

User Story #15 (Michael)

As a user, I want to be able to delete conversations

#	Description	Time Estimate	Owner
1	Update the backend messages model to include a "deletedBy" field, which will hold an array of user IDs who've deleted the conversation (this way, one user can delete it without affecting the other).	2 hrs	Michael

#	Description	Time Estimate	Owner
2	Set up an API endpoint that allows a user to mark a conversation as deleted for them.	2 hrs	Michael
3	Implement authentication and authorization on the endpoint to ensure that only involved users can delete the conversation.	1 hr	Michael
4	Implement a confirmation prompt on the frontend to ensure users don't accidentally delete conversations.	30 min	Michael
5	Update the frontend to filter out conversations marked as deleted for the current user when displaying the list of conversations.	2 hr 30 min	Michael
6	Testing	1 hr	Michael

Acceptance Criteria:

- ☐ Next to each conversation, there should be a "Delete" option or a trash icon indicating the action to delete the conversation
- ☐ When I click on the "Delete" option or the trash icon, I should be presented with a confirmation prompt asking if I am sure about deleting the conversation
- ☐ Given I have clicked the "Delete" option, if I confirm the deletion, the conversation should be removed from my conversation list.
- ☐ Given I have clicked the "Delete" option, if I cancel the deletion, the conversation should stay in the conversation list.
- ☐ Given I have deleted a conversation, the conversation will be deleted for both participants
- ☐ Given I've deleted a conversation, if the other user sends a new message, it should be seen as a new conversation

User Story #16 (Michael)

As a user, I want to be able to send like or dislike emojis in my chats

#	Description	Time Estimate	Owner

1	Update the backend to handle emoji sending	2 hrs	Michael
2	Set up an API endpoint that allows a user to post the emoji	2 hrs	Michael
3	Creating the frontend that allows us to send the emoji buttons	2 hrs	Michael
6	Testing	1 hr	Michael

Acceptance Criteria:

☐ Given I am a user in a chat conversation, when I view the message input area, then I should see two emoji buttons (like 👍 and dislike 👎) next to the send button.

☐ When I click on the like emoji button, then the selected emoji should be sent as a message in the conversation.

☐ When I click on the dislike emoji button, then the selected emoji should be sent as a message in the conversation.

☐ Given I have clicked on an emoji button, when the emoji is sent, then it should immediately appear in the chat on my side without any delay or misplacement.

☐ Given I have sent an emoji in a chat conversation, when I close and reopen the chat or refresh the page, then the sent emoji should be displayed in the conversation history at the correct position.

User Story #17 (Khoa) (DONE)

As a user, I want to be able to view my profile page and see statistics like number of posts and average rating on my posts, as well as edit my profile information.

#	Description	Time Estimate	Owner
1	Design profile page UI to include average rating on my posts and number of posts, etc.	2.5h	Khoa
2	Design profile page UI for private accounts.	1.5h	Khoa
3	Implement the functionality to edit profile information.	1h	Khoa
4	Create an endpoint for saving	1h	Khoa

#	Description	Time Estimate	Owner
	the modified information, and retrieving the user statistics.		
5	Testing	1h	Khoa

Acceptance Criteria:
- ☐ Given that I am on my profile page, I want to be able to see the overall number of posts I have made.
- ☐ Given that I am on my profile page, I want to be able to see the average rating on all my posts.
- ☐ If I make a new post, the counter should increment automatically.
- ☐ If a new rating is added to my post, it should be automatically included in my statistics.
- ☐ If I delete a post, the counter should decrement automatically.

User Story #18 (Khoa) (DONE)
As a user, I would like to view my posted recipes on my profile.

#	Description	Time Estimate	Owner
1	UI to view posts	2h	Khoa
2	Implement a feature for the user to view the clicked post on the user's profile.	1.5h	Khoa
3	Add a custom hover effect that will display the number of comments and average rating of that post.	1.5h	Khoa
4	Create protected routes with tokens to view the clicked posts and a route/endpoint to handle them.	1.5h	Khoa
5	Testing	1h	Khoa

Acceptance Criteria:
- ☐ Given that I am on my profile page, I should be able to view my posts on my profile.
- ☐ When I create a new post, it should appear in my profile.
- ☐ When I hover over one of my posts, I should be able to see the average rating on that post and the number of comments on it.

- ☐ If I hover over a post and then hover out of it, the average rating and number comments should disappear.
- ☐ When I click on a post, I should be taken to the community page, where I will be presented with the full version of the post I clicked.

User Story #19 (Khoa) (DONE)

As a user, I would like to view my saved posts on my profile.

#	Description	Time Estimate	Owner
1	Create UI for saved posts tab in the profile page.	2h	Khoa
2	Create an endpoint to fetch all saved posts of the current user.	1h	Khoa
3	Implement protected routes to bring the user to the exact post clicked.	1h	Khoa
4	Create an endpoint to save the posts.	1h	Khoa
5	Design and implement hover effect for saved posts tab, to display information like average rating and number of comments on hover. Add animations, effects and icons.	1.5h	Khoa
6	Testing	1h	Khoa

Acceptance Criteria:

- ☐ Given that I am on my profile page, I want to be able to view all of my saved posts.
- ☐ Given that I am in the "Saved" tab, it should be indicated that I am in that tab (i.e bold letter, and a red line above the selected tab).
- ☐ When I hover over the saved posts, I should be able to quickly see the average rating on that post.
- ☐ When I hover over the saved posts, I should be able to quickly see the number of comments on that post.
- ☐ When I click on the saved post, I should be taken to that exact post in the community page.

User Story #20 (Khoa) (DONE)

As a user, I want to be able to save posts from the community page.

#	Description	Time Estimate	Owner
1	Design and implement a UI to view the saved posts.	2h	Khoa
2	Modify user schema to include the saved posts by the user and create an endpoint to retrieve the saved posts.	1.5h	Khoa
3	Create an endpoint to store the saved posts.	1.5h	Khoa
4	Testing	1h	Khoa

Acceptance Criteria:

- ☐ Given that I am on the community page, I want to be able to easily save posts.
- ☐ When I hover over the save post button, there should be an effect indicating that it is clickable.
- ☐ When I hover over the save button and over out of it, it should not save.
- ☐ When I click the save button the post should save to my profile.
- ☐ If the post is already saved, the button should indicate that by having a different design.
- ☐ If I click the save button on an already saved post, it should unsave that post.

User Story #21 (Khoa) (DONE)

As a user, I want to be able to view other user's profile pages.

#	Description	Time Estimate	Owner
1	Design and implement the UI to view other user's profiles.	2h	Khoa
2	Create an endpoint that searches for a user and checks if their profile is private or not.	1.5h	Khoa
3	Implement error checking in the endpoint to handle edge cases like deleted accounts, private accounts, etc. So that they can be appropriately handled on the frontend.	1h	Khoa

4	Connect frontend, to display appropriate screen based on the server's response. (i.e if public profile then just display the profile, if private then display private profile screen, etc)	2h	Khoa
5	Testing	1h	Khoa

Acceptance Criteria:

- ☐ Given that I click on another user's profile, I should be able to view their profile.
- ☐ If the user's profile is private and I am trying to view it, I should not see any posts.
- ☐ If the user's profile is private there should be an indication that the profile is private.
- ☐ Given that the user's profile is private, I should not be able to see any of the user's statistics like number of posts and average rating on their posts.
- ☐ Given that the user's profile is public, I should be able to see their statistics like number of posts and average rating on their posts.
- ☐ Given that the user's profile is public, I should be able to see all of their posts.

Remaining Backlog:

Functional Requirements:

User Authentication & Profile

1. ~~As a user, I want to register for an account on Recipe Remix using email.~~
2. ~~As a user, I would like to be able to register for a Recipe Remix account using Google~~
3. ~~As a user, I want to log into my Recipe Remix account.~~
4. ~~As a user, if I forget my password, I want to reset it.~~
5. ~~As a user, I want to enable 2 factor authentication from my settings which requires me to enter a 6-digit code sent to my email address every time I log in.~~
6. ~~As a user, I would like to choose my profile picture from my gallery or take a profile picture from my camera.~~
7. ~~As a user, I would like to edit or clear my profile information.~~
8. ~~As a user, I would like to delete my account.~~
9. ~~As a user, I want to toggle between light and dark mode.~~
10. ~~As a user, I want to manage my dietary restrictions and preferences in my profile.~~
11. ~~As a user, I want to view my past ingredient searches.~~
12. ~~As a user, I want to create customizable recipe collections that I can save to my profile with the option of making it private or public.~~

Ingredient Input & Recipe Suggestions

13. ~~As a user, I want to search for ingredients on the home page and add to my pantry~~
14. ~~As a user, I want to search and delete an ingredient from my pantry~~
15. ~~As a user, I want to logout.~~
16. ~~As a user, I want to have access to each page of the site via a navigation bar.~~
17. ~~As a user, I want to drag and drop ingredient icons into a virtual cauldron to perform the "recipe remix" (if time allows).~~
18. ~~As a user, I would like to download a PDF of a recipe (if time allows).~~
19. ~~As a user, I want to "remix all" ingredients in my pantry at once.~~
20. ~~As a user, I want to select certain pantry items to remix.~~
21. ~~As a user, I want recipe suggestions when I remix the inputted ingredients.~~
22. ~~As a user, I want to view the full details of a recipe suggestion in a popup window.~~
23. ~~As a user, I want to view which ingredients I am missing for certain recipes.~~
24. ~~As a user, I want to delete my saved recipes.~~
25. ~~As a user, I want to save my remixed recipes to my profile.~~
26. ~~As a user, I want to be able to edit my saved recipes.~~
27. ~~As a user, I would like to search for ingredients and add them to my pantry.~~
28. ~~As a user, I want to filter my search results by diet, food group, allergies, dairy, gluten.~~
29. ~~As a user, I want to see suggested ingredients auto-populate when I am searching.~~
30. ~~As a user, I would like to be able to search for a recipe from the saved recipes.~~
31. ~~As a user, I would like to be able to filter recipes by serving size and prep time~~

Community Features

32. ~~As a user, I want to share my recipes with the community.~~
33. As a user, I want to rate other users' recipes with stars
34. As a user, I want to be able to comment on posts
35. As a user, I want to upvote or downvote comments.
36. As a user, I want to be able to share my recipes to other social media platforms.
37. As a user, I want to be to sort posts by 'recentness' or by 'rating'
38. As a user, I want to search for recipes based on popularity, ratings, and recentness.
39.
40. As a user, I want to be able to rate my remixed recipe by difficulty.
41. As a user, I want to specify the privacy level of my pantry and recipes.
42. As a user, I would like to view my posted recipes on my profile
43. As a user, I would like to be able to make posts with [hash]tags
44. As a user, I would like to view a page of all hashtags.

Shopping Integration

45. ~~As a user, I want to generate a shopping list based on a selected recipe.~~
46. ~~As a user, I want to edit or delete my shopping list~~
47. ~~As a user, I want to categorize the items on my list by department.~~

48. As a user, I want to see a list of local grocery stores based on my location using maps
49. As a user, I want suggestions of where to buy certain items on my list
50. As a user, I want to be able to specify local grocery stores I want to order from in 'My Stores'
51. As a user, I want to filter grocery stores by criteria such as ratings, distance, and store type.
52. As a user, I want to get directions to a selected grocery store.
53. As a user, I want the platform to provide external links to the websites of selected grocery stores for online ordering.
54. As a user, I want to set a default store for quick access.

Miscellaneous
55. As a user, I want to set reminders for when I would like to eat throughout the day
56. As a user, I want to be able to report bugs.

Post Interaction
57. As a user, I would like to make changes to my posts.
58. As a user, I would like to view my saved recipes on my profile
59. As a user, I would like to save recipes on community page to my saved recipes folders on my profile

User Interaction
60. As a user, I would like to be presented with a welcoming landing page.
61. As a user I want to view posts that are made by people I follow.
62. As a user, I want to start a new conversation with another user so I can privately discuss a recipe
63. As a user, I want to be able to delete conversations
64. As a user, I want to send GIFs in my messages to express myself better
65. As a user, I want to be able to view my profile and see statistics like follower count and number of posts, as well as edit my profile information.

Non-Functional Requirements:

Architecture and Performance:
We will be using the MERN stack for our project. Our frontend will be written in React.js. The backend will be hosted on a MongoDB NoSQL server and will use Node.JS and Express to mediate between the frontend and backend. Authentication will be implement with MongoDB as well. We will access Recipe database APIs in order to retrieve search results for users who want to search for recipes and ingredients.

Security:

To ensure secure profiles, users will be required to meet password requirements. It must be a length with at least 12 characters, one special character, and one number. The username must meet a length of at least 8 characters and must be unique for every user in the database. We will also be storing the recipes of each user using MongoDB database in order to keep each user's recipes secure and separate. Users will only be allowed access to the recipes of other users which have been made public, so permissions will have to be specified. Recipe Remix will not facilitate direct communication between users, thus eliminating the hassle of message encryption.

Usability:
This platform is intended to be user friendly and used by a variety of people: parents, college students, ect. The app is supposed to be user friendly, support exciting graphics with the recipe remixing, allowing for dragging and dropping of pantry items, and easily accessible filters to customize recipes.

Hosting/Deployment:
Recipe Remix will leverage MongoDB for its hosting and database needs. MongoDB, a leading NoSQL database, offers flexibility with its schema-less architecture, making it an ideal choice for applications that require rapid iterations and adaptability.