Sprint 1 Planning Document

Team 9

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Sprint Overview:

In this sprint, our focus is on implementing basic user functionality related to a user's account information and profile set up. This will give the user capabilities such as creating an account, personalizing their profile, and adding friends. Our sprint also sets up most of the layout for the web application's UI that future sprints will flesh out functionality to, such as our homepage, recipe view, as well as the layout of the profile page. Additionally, our sprint will focus on web scraping recipe data into the database, which will be the basis of critical features in the future such as recommending and searching for recipes, allowing for users to review and save recipes, and adding them to their meal plan.

Scrum Master: Mahima Malhotra

Meeting Plan: Sundays @ 6pm, Mondays @ 8:30pm, Thursdays @ 7:30pm

Risks and Challenges:

The biggest challenge that we expect to face this sprint is regarding the learning curve we will face because many of us do not have full stack development experience including frameworks and languages such as React, Node.js, and MongoDB. Therefore, some of the beginning user stories of this first sprint may take longer as team members are learning skills to work efficiently. Additionally, we anticipate that the web scraping will also be time consuming as we build up our database to pull from various user story features. Because this is a basis of a large portion of our project, we need to ensure that this is properly developed.

Current Sprint Detail

User Story #1

As a user, I would like to be able to sign up for an account.

#	Description	Estimated Time	Owner
1	Create UI page to input sign up information for a new account	3 hours	Jiahui
2	Check if username is taken	1 hour	Jiahui
3	Check if the password meets security requirements	1 hour	Jiahui
4	Create routes and store new user into database	3 hours	Jiahui
	Total:	8 hours	

Acceptance Criteria:
- Given that the UI for the sign up is implemented correctly, when the user submits their sign up information, they should get an error message if the username they chose is taken.
- Given that the UI for the sign up is implemented correctly, when the user submits their sign up information, they should get an error message if the password is not secure enough.
- Given that the UI for the sign up is implemented correctly, when the user is successfully signed up, they will be routed to their homepage.
- Given that the UI for the sign up is implemented correctly, the user can switch to the login page if they already have an account.

User Story #2

As a user, I would like to be able to login to my account.

#	Description	Estimated Time	Owner
1	Create a UI page to log into an existing account	3 hours	Carmen
2	Route to sign up page if user does not have an existing account	1 hour	Carmen
3	Create login methods to log in the user given the correct credentials	3 hours	Carmen
4	Generate an error message if the credentials are incorrect	1 hours	Carmen

#	Description	Estimated Time	Owner
	Total:	8 hours	

Acceptance Criteria:
- Given that the UI for the login is implemented correctly, when the user submits their sign up information, they should get notification if the username is not valid, or if the password submitted is incorrect.
- Given that the UI for the login is implemented correctly, when the user is successfully logged in, they will be routed to their homepage.
- Given that the UI for the login is implemented correctly, the user can switch to the sign up page if they do not already have an account.

User Story #3
As a user, I would like to be able to reset my account password.

#	Description	Estimated Time	Owner
1	Create a UI page to reset account password	3 hours	Jiahui
2	Check if old password is valid	1 hour	Jiahui
3	Check if new password meets security requirements and is different from old password	2 hour	Jiahui
4	Change password in database	1 hours	Jiahui
	Total:	7 hours	

Acceptance Criteria:
- Given that the UI for password reset is implemented correctly, when the user clicks on a reset password button in editing profile, the user should be able to reset password.
- Given that the UI for password reset is implemented correctly, when the user submits their old and new password, then the user should be notified that their password was successfully changed.
- Given that the UI for password reset is implemented correctly, when the user submits their old password incorrectly, then the user should be notified that their old password was incorrect and their password has not been reset.
- Given that the UI for password reset is implemented correctly, when the user submits a new password that does not meet security requirements, then the user should be notified that the new password was invalid and their password has not been reset.

User Story #4
As a user, I would like to be able to logout.

#	Description	Estimated Time	Owner
1	Create UI to confirm whether or not the user wants to logout	2 hours	Carmen
2	Create routes to remove the logged in user	2 hours	Carmen
	Total:	4 hours	

Acceptance Criteria:
- Given that the UI for the logout confirmation is correctly implemented, when the logout button is clicked, the user will be prompted to confirm their logout.
- Given that the logout works as intended, when the user confirms logout, the user should be brought back to the sign in page.
- Given that the UI for the logout confirmation is correctly implemented, when the user denies logging out, the user will be sent back to the page they were originally on before attempting to log out.

User Story #5
As a user, I would like to be able to view my profile page.

#	Description	Estimated Time	Owner
1	Create UI for profile dropdown	2 hours	Sarah
2	Connect profile dropdown buttons to correct pages and actions	1 hour	Sarah
3	Create UI for profile page showing user's information	2 hours	Sarah
4	Display user's friends	2 hours	Sarah
5	Display user's friend requests	2 hours	Sarah
6	Block space off for future profile addends	2 hours	Sarah
7	Create routes to pull profile information from database	2 hours	Sarah
	Total:	13 hours	

Acceptance Criteria:
- ~~Given that the user clicks on their profile, a drop down menu appears with options to~~

- ~~logout and view profile.~~
- Given that the UI for the profile dropdown is implemented properly, the user should be able to click to get a full page of their profile information.
- ~~Given that the UI to view the profile page is implemented properly, the user will be able to view their profile picture, profile name, profile username,~~ and a button to reset password.
- Given that the UI to view the profile page is implemented properly, the user will be able to view their friends and their friend requests.
- Given that the UI to view the profile page is implemented properly, the reset password button will route to the password reset page.

User Story #6
As a user, I would like to be able to edit my profile page.

#	Description	Estimated Time	Owner
1	Create UI to edit profile information	2 hours	Sarah
2	Create toggles to change privacy options for profile components	2 hours	Sarah
3	Create routes and change profile info from database	2 hours	Sarah
4	Create button to delete account	1 hour	Sarah
5	Create popup UI to confirm deletion of account	2 hours	Sarah
6	Create function to remove friendship from all friends	2 hours	Sarah
7	Create function to check privacy of created recipes to determine deletion	2 hours	Sarah
8	Create function to delete all user information	2 hours	Sarah
	Total:	15 hours	

Acceptance Criteria:
- Given that the UI to edit user profile information is correctly implemented, when the user clicks the button on the profile page to edit their profile, they are taken to the page to edit certain information.
- Given that the UI to edit user profile information is correctly implemented, the user is able to change their display name and profile picture.
- Given that the UI to edit user profile information is correctly implemented, the user will be able to toggle their public and private information, such as their created recipes, reviewed recipes, and meal plans.
- Given that the deletion of a user's account is correctly implemented, when a user confirms their decisions to delete their account, the user is removed from friends lists and

their login information and private created recipes are deleted.

User Story #7
As a user, I would like to be able to add/remove friends.

#	Description	Estimated Time	Owner
1	Route to accept friend requests.	2 hours	Sarah
~~3~~	~~Create UI to add friends~~	~~3 hours~~	~~Kendalyn~~
4	Route to search users by username or display name	4 hours	Kendalyn
5	Create confirmation UI to remove friend	2 hours	Kendalyn
6	Route to add/remove friendship from database	3 hours	Kendalyn
	Total:	14 hours	

Acceptance Criteria:
- Given that the UI to add friends is implemented correctly, when the user is looking to add a friend, the user is able to search the user by username or display-name to add as a friend.
- Given that the UI to remove friends is implemented correctly, when the user clicks the remove button on the friends list and confirms removal, the user can remove a user from their friends list.
- Given that the UI to add friends is implemented correctly, when the user has a pending friend request, the user can accept or deny it.

User Story #8
As a user, I would like to be able to view my friend's profiles.

#	Description	Estimated Time	Owner
1	Create UI to view a friend's profile from search or friend list	3 hours	Kendalyn
2	Only display components that are publicly available	3 hours	Kendalyn
3	Route to retrieve user's privacy settings	2 hour	Kendalyn
4	Route to retrieve friends' user profile data	1 hour	Kendalyn
	Total:	9 hours	

Acceptance Criteria:

- Given that the user has friends, when the user clicks on a friend's profile, they can be taken to that friend's profile page.
- Given that the user is looking at a friend's profile, they can view the subjects that that friend has set to "friends only" or "public"
- Given that the user is looking at a friend's profile, they cannot view the subjects that that friend has set to "private".

User Story #9
As a user, I would like to be able to see the ingredients and nutrition facts of a recipe.

#	Description	Estimated Time	Owner
~~1~~	~~Web scrape recipe data and add to database~~	~~10 hours~~ ~~5 hours (each)~~	~~Kendalyn,~~ ~~Mahima~~
2	Create a UI to display list of recipes on homepage	4 hours	Mahima
3	Create UI to view ingredients of a recipe	2 hours	Mahima
4	Create UI for view nutrition facts of a recipe	3 hours	Carmen
5	Create route to pull ingredient information	2 hours	Mahima
6	Create route to pull nutrition facts	2 hours	Kendalyn
	Total:	23 hours	

Acceptance Criteria:
- Given that the UI for the homepage is correctly implemented, the user should see a list of recipes from the database.
- Given that the UI for the homepage and to view a recipe is correctly implemented, when the user selects a recipe from the home page, they can see all of the recipe information.
- Given that the UI to view a recipe is correctly implemented, when the user is viewing a recipe, they can see all of the ingredients including the quantity and measurements.
- Given that the UI to view a recipe is correctly implemented, when the user is viewing a recipe, the user can see the nutrition facts of that recipe displayed in a table format.

User Story #10
As a user, I would like to be able to see the steps in making the recipe.

#	Description	Estimated Time	Owner
1	Create a UI for a recipe that displays the steps in making the recipe.	3 hours	Carmen

#	Description	Estimated Time	Owner
2	Create routing to pull recipe steps	2 hours	Carmen
	Total:	5 hours	

Acceptance Criteria:
- Given that the UI for the homepage and recipe is correctly implemented, when the user selects a recipe, the user can see all of the recipe information.
- Given that the UI for the recipe is correctly implemented, when the user is viewing a recipe, the user can see all of the steps in making that recipe.
- Given that the text fills the user's screen, the user should be able to scroll to view the entirety of the recipe steps.

User Story #11
As a user, I would like to be able to edit my "fridge" (owned food).

#	Description	Estimated Time	Owner
1	Implement method to remove ingredients from fridge	2 hours	Mahima
2	Create search bar for adding ingredients to fridge	1 hour	Mahima
3	Create method to search database for ingredients	2 hours	Mahima
4	Creating routes to edit the fridge	2 hours	Mahima
	Total:	7 hours	

Acceptance Criteria:
- Given that the UI for editing the fridge is correctly implemented, when the user searches for an ingredient to add by name, it will show up if it exists in the database to be added.
- Given that the UI for editing the user's fridge is correctly implemented, users should be able to add or remove ingredients from their fridge successfully and choose a food category (poultry, produce, dairy, etc.).
- Given that the UI for editing the fridge is correctly implemented, when the user adds or removes an ingredient, the user's fridge updates.
- Given that the UI for editing the fridge is correctly implemented, when the user attempts to add an ingredient that is already owned, it does not show as an option to add.
- Given that the UI for editing the fridge is correctly implemented, when the user removes an ingredient from their fridge, it will not appear in their fridge.

User Story #12

As a user, I would like to be able to view my "fridge".

#	Description	Estimated Time	Owner
1	Create navigation bar with a button to route to user's fridge	2 hours	Mahima
2	Create UI to view ingredients in fridge	3 hours	Jiahui
3	Create search for appliances within kitchen	2 hours	Kendalyn
4	Create UI to separate ingredients by food groups	3 hours	Mahima
5	Create customizable food groups	3 hours	Mahima
6	Route to retrieve user fridge data	2 hours	Mahima
	Total:	15 hours	

Acceptance Criteria:
- Given that the navigation bar is implemented correctly, when the user clicks on the fridge/kitchen icon, the user is directed to the page to view the fridge/kitchen.
- Given that the UI for viewing the user's fridge is correctly implemented, the user should be able to view their ingredients in their fridge.
- Given the UI for viewing the user's fridge is implemented correctly, the ingredients should be displayed in sections of different food groups such as produce, poultry, dairy, etc.

User Story #13
As a user, I would like to be able to edit my "kitchen" (owned equipment).

#	Description	Estimated Time	Owner
1	Create UI to add/remove appliances	2 hours	Jiahui
2	Create method to search database for appliances	2 hours	Jiahui
3	Route to change appliances in kitchen	2 hours	Jiahui
	Total:	6 hours	

Acceptance Criteria:
- Given that the UI for editing the kitchen is correctly implemented, when the user clicks the edit kitchen button, the user should be able to access the UI to edit their list of appliances.
- Given that the UI for editing the kitchen is correctly implemented, when the user searches for an appliance to add by name, it will show up if it exists in the database to be added.

- Given that the UI for editing the user's kitchen is correctly implemented, users should be able to add or remove appliances from a list of owned appliances successfully.
- Given that the UI for editing the kitchen is correctly implemented, when the user adds or removes an appliance, the user's list of appliances updates.
- Given that the UI for editing the kitchen is correctly implemented, when the user attempts to add an appliance that is already owned, the user's list of appliances does not change.

User Story #14
As a user, I would like to be able to view my "kitchen".

#	Description	Estimated Time	Owner
1	Create UI to view owned appliances	2 hours	Jiahui
2	Create search for appliances within kitchen	2 hours	Jiahui
3	Route to retrieve owned appliances	2 hours	Jiahui
	Total:	6 hours	

Acceptance Criteria:
- Given that the UI for viewing the user's kitchen is correctly implemented, when the user clicks the fridge/kitchen icon on the navigation bar, the user should be able to view appliances in the kitchen.
- Given that the UI for viewing the user's kitchen is correctly implemented, the user should be able to view an accurate list consisting of all owned appliances.
- Given that the UI for viewing the user's kitchen is correctly implemented, when the user searches for an appliance in their kitchen, the user should be able to view it highlighted within the list of appliances.

User Story #15
As a user, I would like to be able to edit my dietary restrictions/preferences.

#	Description	Estimated Time	Owner
1	Create UI to view dietary restrictions / preferences	3 hours	Carmen
2	Route to retrieve dietary restrictions / preferences from database	2 hours	Carmen
3	Create UI to edit dietary restrictions / preferences	3 hours	Carmen
4	Route to change dietary restrictions / preferences from database	2 hours	Carmen

#	Description	Estimated Time	Owner
	Total:	10 hours	

Acceptance Criteria:
- Given that the UI for the profile dropdown is correctly implemented, when the user clicks on view dietary restrictions from their profile dropdown, they will be directed to a page that displays their dietary preferences.
- Given that the UI to view the dietary restrictions and preferences is correctly implemented, when the user chooses to add dietary restrictions, they will be able to add new dietary restrictions from the list of options.
- Given that the UI to view the dietary restrictions and preferences is correctly implemented, when the user chooses to delete dietary restrictions, it will be removed from their preferences.

Remaining Backlog:

Functional:
Account
    1) ~~As a user, I would like to be able to sign up for an account.~~
    2) ~~As a user, I would like to be able to login to my account.~~
    3) ~~As a user, I would like to be able to reset my account password.~~
    4) ~~As a user, I would like to be able to logout.~~

Recipe interactions
    5) As a user, I would like to be able to save recipes.
    6) As a user, I would like to be able to organize recipes into customizable folders.
    7) As a user, I would like to be able to create recipes.
    8) As a user, I would like to be able to view my saved recipes and recipes I have created.

Ingredient Interactions
    9) As a user, I would like to be able to add ingredients to the ingredient database.
    10) As a user, I would like to be able to pull ingredients from the database when creating a recipe.
    11) As a user, I would like to be recommended possible substitute ingredients.
    12) As a user, I would like to be able to tag ingredients as vegetarian, vegan, gluten-free, or by other allergens.

Profile
    13) ~~As a user, I would like to be able to view my profile page.~~
    14) ~~As a user, I would like to be able to edit my profile page.~~

Sharing
    15) As a user, I would like to be able to share recipes with others.
    16) As a user, I would like to be able to view my shared recipes
    17) ~~As a user, I would like to be able to add/remove friends.~~
    18) ~~As a user, I would like to be able to view my friend's profiles.~~
    19) As a user, I would like to be able to see notifications of shared recipes and new friends.
    20) As a user, I would like to add other users to my "household".
    21) As a user of a part of a household, I want to see which recipes my household has favorited.
    22) As a user of a part of a household, I would like to differentiate between shared fridge items and my own fridge items.

Reviewing Recipes
    23) As a user, I would like to be able to review recipes.
    24) As a user, I would like to be able to view a recipe's ratings and reviews.
    25) As a user, I would like to be able to view the recipes I have already rated/reviewed.

Recipe Details
    26) ~~As a user, I would like to be able to see the ingredients and nutrition facts of a recipe.~~

27) As a user, I would like to be able to see the steps in making the recipe.

Fridge/Kitchen
28) As a user, I would like to be able to edit my "fridge" (owned food).
29) As a user, I would like to be able to view my "fridge".
30) As a user, I would like to be able to edit my "kitchen" (owned equipment).
31) As a user, I would like to be able to view my "kitchen".

Filtering
32) As a user, I would like to be able to edit my dietary restrictions/preferences.
33) As a user, I would like to be able to search for specific food recipes which include ingredients from my fridge.
34) As a user, I would like to be able to search and filter for recipes by various factors such as cuisine and meal type.
35) As a user, I would like to be recommended recipes based on my past history of liked/disliked recipes.
36) As a user, I would like to be recommended recipes based on my fridge and kitchen.
37) As a user, I would like to be able to search by event (birthdays, holidays, etc.).

Shopping lists
38) As a user, I would like to be able to add ingredients to my shopping list.
39) As a user, I would like to edit and combine ingredients in my shopping list.
40) As a user, I would like to be able to view my shopping list.

Meal Planning and Nutrition Goals
41) As a user, I would like to be able to plan my meals/snacks for the week by adding them to a weekly calendar.
42) As a user, I would like to view my meals, and their ingredients, planned for the week in a calendar.
43) As a user, I would like to be able to add planned meal ingredients to my grocery list, based upon fridge contents or disregarding fridge contents.
44) As a user, I would like to be able to define my nutrition goals for the day/week.
45) As a user, I would like to be able to view/visualize how my meal plan accomplishes my nutrition goals.

Non-Functional
1. As a developer, the web application should be viewable on mobile browsers as well.
2. As a developer, the server should be able to handle thousands of users.
3. As a developer, errors in the client and server should be handled smoothly.
4. As a developer, the user should be prevented from adding bad data into the database.
5. As a developer, the UI should be intuitive to the user and aesthetically pleasing.
6. As a developer, setting up a local development environment should be well documented.