Sprint 2 Planning Document

Team 9

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Sprint Overview:

In this sprint, we are focusing on implementing user functionalities that are dependent on our tasks from the previous sprint. This will give the user the ability to interact with recipes by saving, creating, sharing, and reviewing/rating. They will also be able to view saved, created, shared, and reviewed/rated recipes once they have done any of these actions. A new implementation is the shopping list, which a user can edit by adding or removing ingredients. In this sprint, we will continue making adjustments to our current UIs and implementations to make a more user friendly and efficient web application.

Scrum Master: Kendalyn Freuhauf

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

Risks and Challenges:

A big challenge this sprint will be learning how to create and use unit tests to test the functionality of our user stories. This is new to all of our members so we will be taking some time to work through those extra steps to each story. Since we are more familiar with the frameworks, we don't anticipate spending as much time researching and prototyping, but we will still be searching for ways to improve as we develop, which will take some extra time. A risk we are taking in this sprint is leaving the machine learning stories for the last sprint. We discussed and decided to choose stories we thought would be best for learning unit testing and to start learning K Nearest Neighbors modeling on the side of this sprint, not working towards any of our stories yet.

Current Sprint Detail

User Story #1
As a user, I would like to be able to save recipes.

#	Description	Estimated Time	Owner
1	Add and implement options to save recipe on homepage and recipe UIs	3 hrs	Mahima
2	Implement routing to save a recipe	2 hr	Mahima
3	Implementing routing to unsave a recipe	1 hr	Mahima
4	Unit Tests	3 hrs	Mahima
	Total:		9 hrs

Acceptance Criteria:
- Given that the recipe page UI is properly implemented, when the user clicks the save button on a recipe's page, the recipe will be saved in the user's information.
- Given that the homepage UI is properly implemented, when the user clicks the save button on a recipe's overview card, the recipe will be saved in the user's information.
- Given that the homepage UI is properly implemented, when the user clicks the save button on an already saved recipe's overview card, the recipe will be unsaved in the user's information.
- Given that the recipe page UI is properly implemented, when the user clicks the save button on an already saved recipe's page, the recipe will be unsaved in the user's information.

User Story #2
As a user, I would like to be able to organize recipes into customizable folders.

#	Description	Estimated Time	Owner
1	Create and implement options to add custom folders	2 hrs	Mahima
2	Create route to fetch folders of recipes	2 hrs	Mahima
3	Create route to add folders for recipes	2 hrs	Mahima
4	Create route to switch folder of recipe	2 hrs	Mahima
5	Unit Tests	3 hrs	Mahima
	Total:	11 hrs	

Acceptance Criteria:
- Given that the UI to view saved recipes is implemented correctly, when the user chooses to create a new folder, they will be able to choose the name of the new folder to save recipes in.
- Given that the UI to view saved recipes is implemented correctly, when the user chooses to move a recipe, they can change the folder the recipe is stored in..
- Given that the UI to save a recipe is implemented correctly, when the user chooses to save a recipe, they will be able to select the folder to save the recipe to.

User Story #3
As a user, I would like to be able to create recipes.

#	Description	Estimated Time	Owner
1	Create UI to create a recipe, including forms for every parameter a recipe has	4 hours	Carmen
	Create ability to insert a photo for a recipe	1 hour	Carmen
2	Create routes to add new information in the database	4 hours	Carmen
3	Throw an error when fields are missing	1 hour	Carmen
4	Create Unit Tests	3 hours	Carmen
	Total:	13 hours	

Acceptance Criteria:
- Given that the user successfully creates the recipe, the recipe is added to the database and they are directed to the page of the recipe that they just created.
- Given that the user does not fill out every field, an error message is given that states that one or more fields is empty.
- Given that the user inputs a valid photo URL, the photo is displayed properly on their newly created recipe page.

User Story #4
As a user, I would like to be able to view my saved recipes and recipes I have created.

#	Description	Estimated Time	Owner
1	Create UI to view saved recipes in folders	3	Mahima
2	Create routing to fetch saved recipes	2	Mahima

#	Description	Estimated Time	Owner
3	Create UI to view created recipes	2	Mahima
4	Create routing to fetch created recipes	1	Mahima
3	Unit tests	2	Mahima
	Total:	10	

Acceptance Criteria:
- Given that the UI to view saved recipes is implemented correctly, when the user chooses to view saved recipes, they will see all the recipes they have saved.
- Given that the UI to view created recipes is implemented correctly, when the user chooses to view created recipes, they will see all the recipes they have created.
- Given that the UI to view saved recipes is implemented correctly, when the user chooses to view saved recipes, they will see saved recipes in folders they were placed in

User Story #5
As a user, I would like to be able to review recipes.

#	Description	Estimated Time	Owner
1	Create button to add a review to a recipe	1 hour	Sarah
2	Create reviewing a recipe UI	5 hours	Sarah
3	Route the review to the database	3 hours	Sarah
7	Unit tests	2 hours	Sarah
	Total:	11 hours	

Acceptance Criteria:
- Given that the button to add a review is implemented properly, when the user clicks add a review they will be able to see a UI to review a recipe.
- Given that the UI to review a recipe is implemented properly, when the user clicks to add a review they will be able to specify a star rating.
- Given that the UI to review a recipe is implemented properly, when the user clicks to add a review they will be able to provide a description for their review of the recipe.
- Given that the UI to review a recipe is implemented properly, when the user presses save review, the review is added to their reviewed recipes and the recipe's reviews.

User Story #6
As a user, I would like to be able to view a recipe's ratings and reviews.

#	Description	Estimated Time	Owner
1	Create routes to pull reviews from database	2 hrs	Sarah
2	Display average star ratings of all reviews	2 hrs	Sarah
3	Display number of reviews	1 hr	Sarah
4	Create UI components for each review	4 hrs	Sarah
5	Unit tests	2 hours	Sarah
	Total:	11 hours	

Acceptance Criteria:
- Given that the UI for viewing a recipe's ratings and reviews is implemented properly, the user will be able to see the number of reviews a recipe has and the average star rating for all the reviews
- Given that the UI for viewing a recipe's reviews is implemented properly, the user will be able to scroll to the bottom of a recipe page to browse the reviews.
- Given that the UI for viewing a recipe's reviews is implemented properly, the user will be able to see a given review's author, star rating, and description.

User Story #7
As a user, I would like to be able to view the recipes I have already rated/reviewed.

#	Description	Estimated Time	Owner
1	Create routes to pull users reviewed recipes	2 hours	Sarah
2	Create UI to display users reviewed recipes on profile page	2 hours	Sarah
	Create route to recipe page	2 hours	Sarah
5	Unit tests	2 hours	Sarah
	Total:	8 hours	

Acceptance Criteria:
- Given that the UI for viewing recipes that the user has rated/reviewed is implemented properly, the user should be able to see the recipes they have reviewed under "reviewed recipes" on profile page
- Given that the UI for viewing recipes that the user has rated/reviewed is implemented properly, the user should be able to see the review's recipe, star rating, and description.
- Given that the UI for viewing recipes that the user has rated/reviewed is implemented

properly, the user should be able to click on the recipe review to be taken to the recipe page.

User Story #8
As a user, I would like to be able to add ingredients to the ingredient database.

#	Description	Estimated Time	Owner
1	Create UI to add an ingredient to the database	3 hours	Carmen
2	Create routes to add the ingredients to the database	2 hours	Carmen
3	UI that throws an error if the field is empty or if the ingredient already exists	1 hour	Carmen
4	Create Unit Tests	2 hours	Carmen
	Total:	8 hours	

Acceptance Criteria:
- Given that the user fills out the field and presses submit, the new ingredient can be used in their fridge, new recipes, and any other area that utilizes the ingredient list
- If the user attempts to add an ingredient that already exists in the database, an error message is given.
- If the user attempts to add an ingredient without filling out the text field, an error message is given.

User Story #9
As a user, I would like to be able to pull ingredients from the database when creating a recipe.

#	Description	Estimated Time	Owner
1	Create a UI for searching and adding ingredients	1 hour	Kendalyn
2	Link search bar to the database	1 hour	Kendalyn
3	Display all ingredients that contain the inputted string	1 hour	Kendalyn
4	Create buttons and functionality that allow the user to add an ingredient to the recipe	3 hour	Kendalyn
5	Add the selected ingredient to the list of other ingredients needed for this recipe	2 hour	Kendalyn

#	Description	Estimated Time	Owner
6	Make buttons and functionality to set each ingredient's amount and unit	1 hours	Kendalyn
7	Create Unit Tests	3 hours	Kendalyn
	Total:	12 hours	

Acceptance Criteria:
- Given that a user is on the creating recipe UI, they can search for ingredients to add to their recipe.
- Given that the user finds the ingredient they are looking for, they can select that ingredient and add it to the ingredient list.
- Given that the user does not find the ingredient they are looking for, they will be able to add that ingredient to the database.
- Given that the recipe is added to the ingredient list, the user can decide the quantity and unit for that ingredient within their recipe.

User Story #10
As a user, I would like to tag recipes based on dietary restrictions

#	Description	Estimated Time	Owner
1	Create UI to tag recipes	3 hours	Carmen
2	Create routes to add the dietary tags of a recipe to a database	2 hours	Carmen
3	Create routes to remove dietary tags of a recipe from a database	2 hours	Carmen
4	Create Unit Tests	2 hours	Carmen
	Total:	9 hours	

Acceptance Criteria:
- Given that a user clicks on a recipe, they have the option to add dietary tags to the recipe from a list.
- Given that a user clicks on a recipe, they are able to delete any of the recipe's dietary tags.
- Given a user clicks on a recipe, they are not able to tag a recipe with the same dietary tag more than once.

User Story #11
As a user, I would like to be able to add ingredients to my shopping list.

#	Description	Estimated Time	Owner
1	UI to add recipe's ingredients to shopping list	2 hours	Jiahui
2	Check if recipe ingredients are in fridge	2 hours	Jiahui
3	Check if recipe ingredient is already in shopping list	2 hours	Jiahui
4	Route to add ingredients to shopping list in database	2 hours	Jiahui
5	Create unit tests	3 hours	Jiahui
	Total:	11 hours	

Acceptance Criteria:
- Given that the UI to add ingredients to the shopping list is correctly implemented, when the user clicks the button to add on a recipe page, the appropriate ingredients will be added.
- Given that an ingredient in a recipe added is already owned in the fridge, it will not be added to the shopping list
- Given that an ingredient in a recipe added already exists in the shopping list, it will not be added to the shopping list again.

User Story #12
As a user, I would like to edit and combine ingredients in my shopping list.

#	Description	Estimated Time	Owner
1	Create UI to add/remove ingredients from list	2 hours	Jiahui
2	Ability to delete all ingredients	3 hours	Jiahui
3	Route to update shopping list in database	2 hours	Jiahui
4	Create unit tests	3 hours	Jiahui
	Total:	10 hours	

Acceptance Criteria:
- Given that the UI to add ingredients to the shopping list is correctly implemented, the user will be able to search for ingredients from the database to add to their shopping list.
- Given that the UI to remove ingredients from the shopping list is correctly implemented, the user will be able to delete a specific ingredient from the shopping list.
- Given that the functionality of editing the shopping list is correctly implemented, when

the list is modified, the updated list will be displayed.
- Given that the functionality of editing the shopping list is correctly implemented, the user will be able to clear their shopping list

User Story #13
As a user, I would like to be able to view my shopping list.

#	Description	Estimated Time	Owner
1	Add UI to navbar to reach shopping list	2 hours	Jiahui
	Route to retrieve shopping list	2 hours	Jiahui
2	UI to view shopping list	3 hours	Jiahui
3	Create unit tests	2 hours	Jiahui
	Total:	9 hours	

Acceptance Criteria:
- Given that the UI to view the shopping list is correctly implemented, when the user clicks the shopping list icon in the navigation bar, the shopping list will be displayed.
- Given that the UI to view the shopping list is correctly implemented, the user will be able to view an accurate list of ingredients based on recipes referenced.
- Given that the UI to view the shopping list is correctly implemented, when there are no ingredients in the shopping list, the user will be notified to either add an individual ingredient or view a recipe

User Story #14
As a user, I would like to be able to share recipes with others.

#	Description	Estimated Time	Owner
1	Create a share button on the recipe pages	1 hour	Kendalyn
2	Routing to send the recipe from the database to the receivers sharing page	4 hours	Kendalyn
3	Unit Tests	3 hours	Kendalyn
	Total:	8 hours	

Acceptance Criteria:
- Given that a user is looking at a recipe, they can click the share button and select their friend(s) to share it with.

- Given that the user has selected friend(s) to send the recipe to, they can then click the send button to send it to their friends sharing pages.
- Given that the user has shared a recipe with their friend, they can view that history of sent recipes.

User Story #15
As a user, I would like to be able to view my shared recipes

#	Description	Estimated Time	Owner
1	Create UI for viewing recipes shared with you	3 hours	Kendalyn
2	Routing to displaying all recipes that have been sent to you	2 hours	Kendalyn
3	Implement viewing the recipe once clicked	2 hours	Kendalyn
4	Unit Tests	3 hours	Kendalyn
	Total	10 hours	

Acceptance Criteria:
- Given that a user has friends that have sent them recipes, they can view those recipes in a sharing page.
- Given that a user has been sent a recipe, they can view who sent it to them.
- Given that a user is looking at the sharing page, they can click on the recipes they have been sent to look at all of the recipe information.

User Story #16
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".

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.
    13) ~~As a user, I would like to tag recipes based on dietary restrictions~~

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

Sharing
    16) ~~As a user, I would like to be able to share recipes with others.~~
    17) ~~As a user, I would like to be able to view my shared recipes~~
    18) ~~As a user, I would like to be able to add/remove friends.~~
    19) ~~As a user, I would like to be able to view my friend's profiles.~~
    20) As a user, I would like to be able to see notifications of shared recipes and new friends.
    21) As a user, I would like to add other users to my "household".
    22) As a user of a part of a household, I want to see which recipes my household has favorited.
    23) 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
    24) ~~As a user, I would like to be able to review recipes.~~
    25) ~~As a user, I would like to be able to view a recipe's ratings and reviews.~~
    26) ~~As a user, I would like to be able to view the recipes I have already rated/reviewed.~~

Recipe Details

27) ~~As a user, I would like to be able to see the ingredients and nutrition facts of a recipe.~~
28) ~~As a user, I would like to be able to see the steps in making the recipe.~~

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

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

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

Meal Planning and Nutrition Goals
42) As a user, I would like to be able to plan my meals/snacks for the week by adding them to a weekly calendar.
43) As a user, I would like to view my meals, and their ingredients, planned for the week in a calendar.
44) 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.
45) As a user, I would like to be able to define my nutrition goals for the day/week.
46) 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.