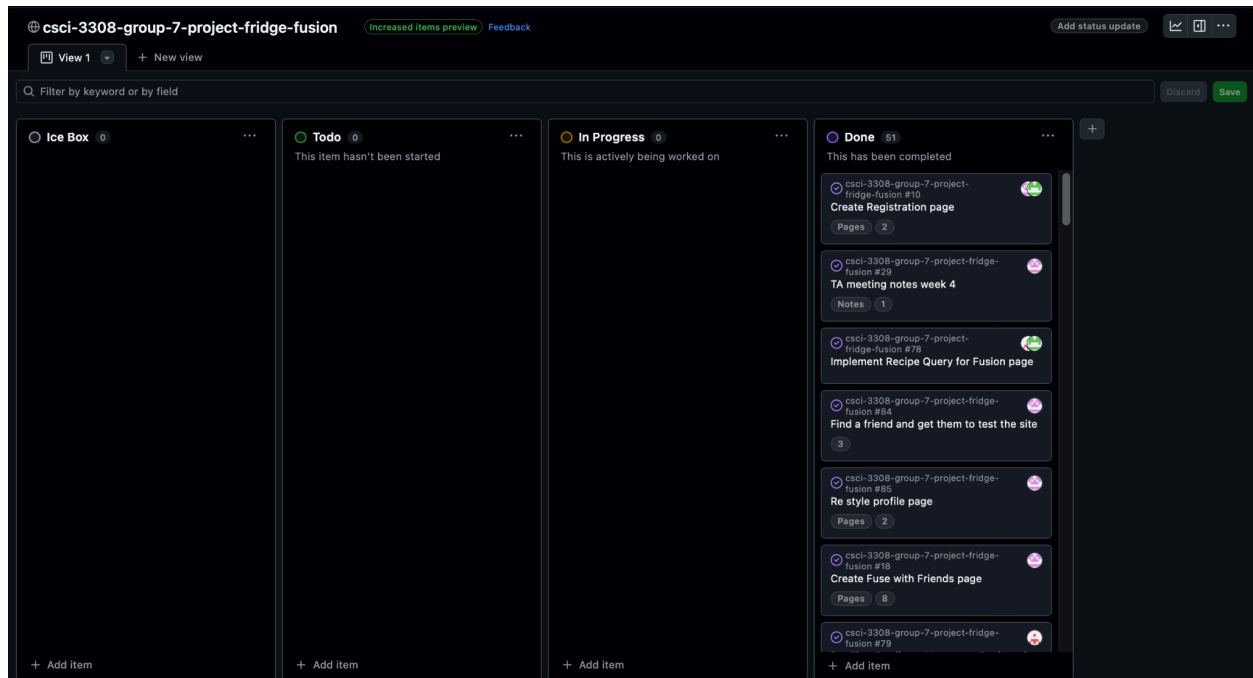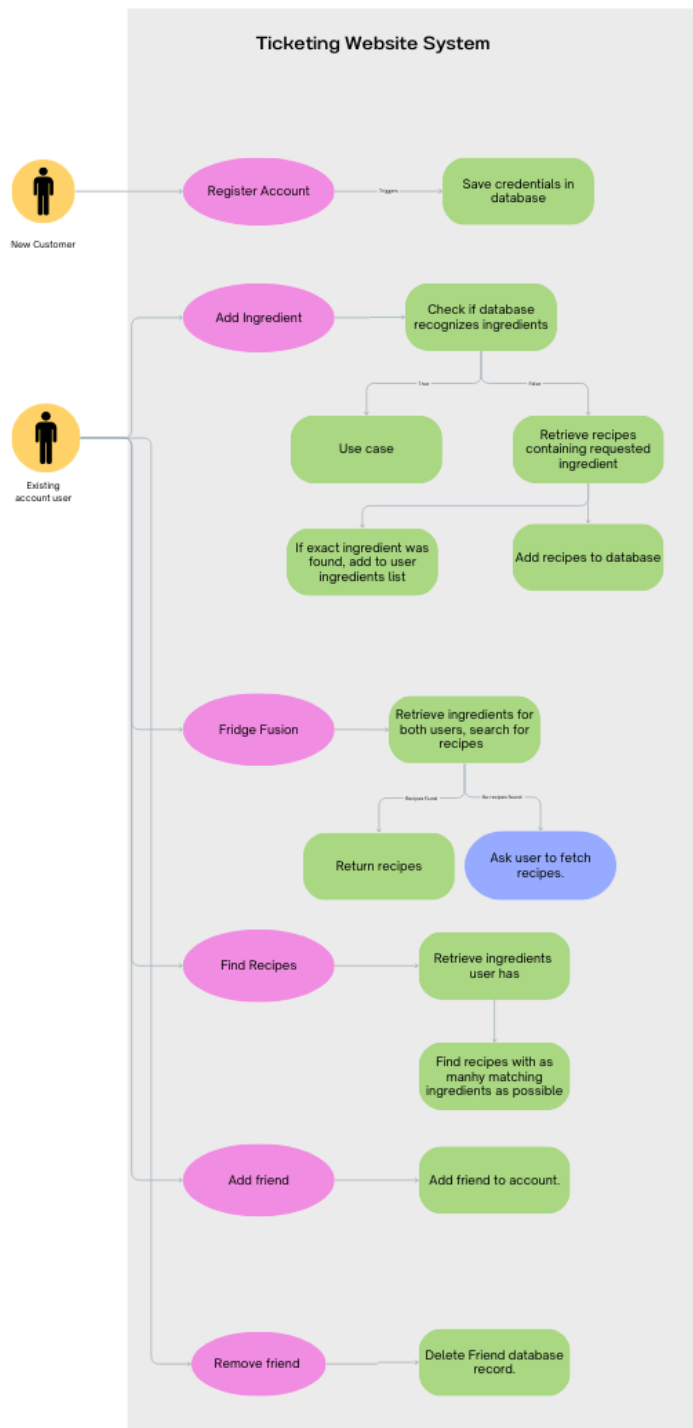# Fridge Fusion

Robert Schmidt (Mindstormer314), Frankie Nuffer-Rodriguez (frankienr), Hanna Choi (choihann), and Rodrigo Franklin de Mello Nicastro (rodrigonicastro)

- Project Description: A 200 word summary of the project
  - Fridge Fusion is a web application designed to help users quickly find recipes based on the ingredients they already have at home. By entering available ingredients, users receive recipe suggestions pulled from the Spoonacular API, which are then stored in a PostgreSQL database for faster future access. While the user is enting an ingredient, a drop down list will display suggestions pulled from ingredients we have already seen. If an ingredient hasn't been used before, the app will dynamically fetch new recipes to expand the collection and keep options fresh.
  - A key feature of Fridge Fusion is the social aspect: users can add friends, link their fridges together, and find collaborative recipes based on combined ingredients through the fuse feature. This makes it ideal for dinner parties, roommate cooking nights, or making mealtime more fun and efficient.
  - Fridge Fusion saves time, reduces food waste, and makes cooking more collaborative and fun. Future enhancements include adding advanced filtering for dietary needs, smart shopping list generation, AI-powered personalized recipe suggestions, and calendar-based meal planning features to help users organize their meals better.
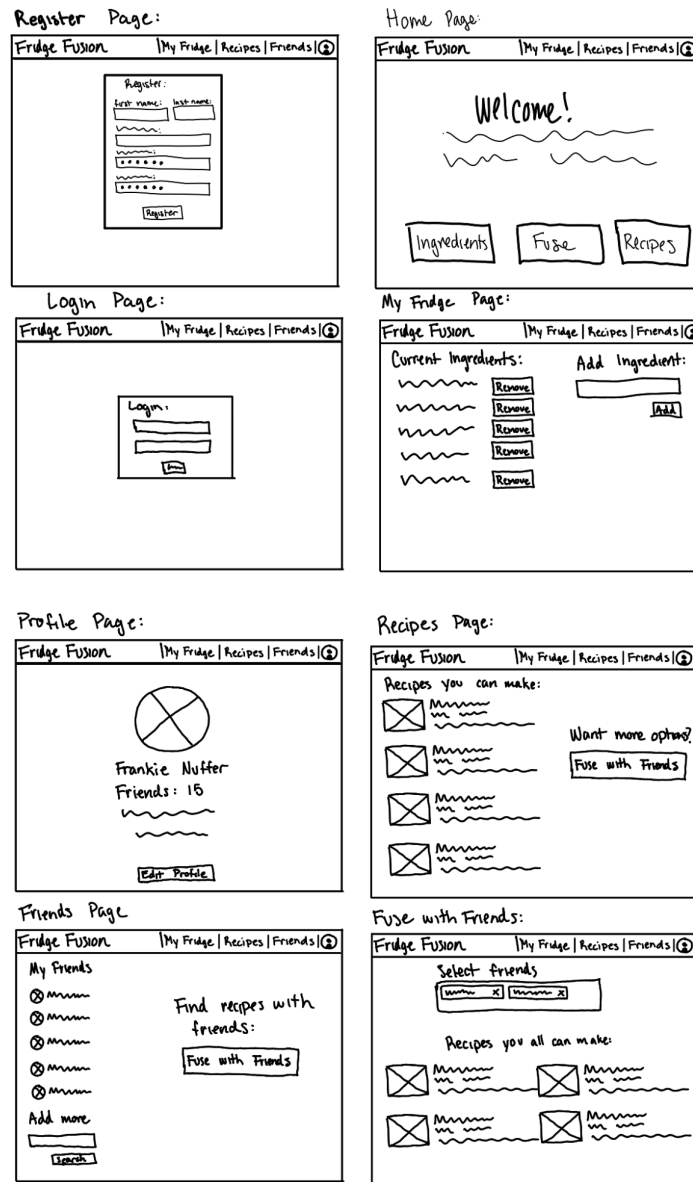- Project Tracker - GitHub project board:
  - https://github.com/users/frankienr/projects/1/views/1

- Video: 5 minute or less video demonstrating your project. Your audience is a potential customer or person interested in using your product.
  - https://drive.google.com/file/d/1JHkgRBwP-Ns63PgTcMZPYiHLrblylc6T/view?usp=sharing
- VCS: Link to your git Repository. Instructor/TAs will check, weekly, to ensure the following are stored in your VCS repository:
  - https://github.com/frankienr/csci-3308-group-7-project-fridge-fusion
- Contributions:
  - Frankie: I worked on the user interface for our project. I did the styling and layout of the site. I chose the coloring, fonts, and general design of the site and then implemented it. I made sure that the front end parts for any features we needed were there. I also worked on making sure everything was compatible across different browsers and devices.
  - Rodrigo: I mostly worked on the JS routes for our application. After the bulk of our routes were all done and working as expected, I started to work on several small improvements to the quality of life of the website (little things like redirecting to the home page after login, etc) Also did extensive testing on the website, fixing bugs I found along the way.

- ○ Robert: I worked on the postgres backend, setting up the database, troubleshooting DB issues, and writing code to interact with the database, both for data ingestion from Spoonacular, as well as some of the website output. I wrote the code to retrieve recipes from Spoonacular, as well as to display a user's available ingredients and recipes.
  - ○ Hanna: I worked on the testing for the project–I wrote most of the Chai and Mocha code. I also worked on the social features of the website. I did the code for adding/removing friends along with the fusion feature to combine fridges. I did most of the ReadMe.md file for the group, making it readable and descriptive. I was also responsible for the partial files at the start of the project.
- Use Case Diagram: You need to include a use case diagram for your project. You can build on the use case diagram you created in the proposal. If you built a complete use case diagram for the proposal, you can include it as is.

- Wireframes You must include all the wireframes that were created for the project. It is expected that you have at least one for each page. They can be photographs of hand-drawn images.

Register Page:

Fridge Fusion | My Fridge | Recipes | Friends | ⊕

Register:
First name: | Last name:

Register

Home Page:

Fridge Fusion | My Fridge | Recipes | Friends | ⊕

Welcome!

Ingredients | Fuse | Recipes

Login Page:

Fridge Fusion | My Fridge | Recipes | Friends | ⊕

Login:

My Fridge Page:

Fridge Fusion | My Fridge | Recipes | Friends | ⊕

Current Ingredients:
Remove
Remove
Remove
Remove
Remove

Add Ingredient:
Add

Profile Page:

Fridge Fusion | My Fridge | Recipes | Friends | ⊕

Frankie Nuffer
Friends: 15

Edit Profile

Recipes Page:

Fridge Fusion | My Fridge | Recipes | Friends | ⊕

Recipes you can make:

Want more options?
Fuse with Friends

Friends Page

Fridge Fusion | My Fridge | Recipes | Friends | ⊕

My Friends
⊗
⊗
⊗
⊗
⊗
Add more

Search

Find recipes with friends:
Fuse with Friends

Fuse with Friends:

Fridge Fusion | My Fridge | Recipes | Friends | ⊕

Select friends
| X | X

Recipes you all can make:

- Test results: In Lab 11, you created a Test Plan. You need to include the test results and observations in the project report. Refer to **this** for more information
  - Our test all involved finding someone unfamiliar with our project and having them test. Frankie's friend completed these tests.
  - The first test was for adding ingredients to one's fridge. The user was able to easily do this with no issues.

- The next test was to find recipes. This also went smoothly with it being clear which ingredients the user had and the recipes were applicable. No complaints or issues here.
- The last test was for adding a friend and fusing. The user added @frankie as a friend and was able to fuse. They said it was easy and there were no issues.
- All tests went well with no issues. The friend said it was clear how to use the website and accomplish the tasks they were presented with.
- Deployment: Link to deployment environment or a written description of how the app was deployed and how one might access/run the app. The app must be live, working, and accessible to your TA.
  - https://csci-3308-group-7-project-fridge-fusion.onrender.com/