

1. Team Number: 7

2. Team name: The Chefs

3. Team Members

- a. Rodrigo Franklin de Mello Nicastro (rodrigonicastro),
rofr4171@colorado.edu
- b. Hanna Choi (choihann), hach5910@colorado.edu
- c. Robert Schmidt (Mindstormer314), Robert.Schmidt-1@colorado.edu
- d. Frankie Nuffer-Rodriguez (frankienr),
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4. Application Name

- a. Fridge Fusion

5. Application Description - Sunday

- a. 3 small complex additions to the app:
 - i. API for recipes - Spoonacular
 - ii. Database that holds previously pulled recipes
 - 1. Table of ingredients found within recipes
 - iii. Link with friends
- b. Fridge Fusion is a tool to help home cooks come up with a recipe based on what is available in their fridge. A user will be able to add all the ingredients that they have and Fridge Fusion will tell them recipes they can make.
- c. Recipes will be pulled from the Spoonacular API and stored. If a user wants to enter an ingredient never added before, they will get the options to pull more recipes that have that ingredient. We will also have a social aspect. You can add friends and fuse your fridges to find recipes available based on all of your ingredients.
- d. This app will save people time in searching for a recipe after a long day at work, a day full of class, or whatever the days hold. Since there is a social aspect, this will help people cook with friends. This could be used for dinner parties or just small get togethers.

6. Audience - Hanna

- a. Our target audience are home cooks, busy individuals, and food enthusiasts who want to make the most of their available ingredients while reducing food waste. This includes university students, working professionals, and families who are looking for a quick and creative way to use up ingredients in their fridge.

- b. The app solves the problem of users not knowing what to cook with their existing ingredients by suggesting recipes.
- c. To ensure usability and accessibility, the app will feature an intuitive interface with simple ingredient entry, easy navigation, and clear recipe suggestions.

7. Vision Statement - Rodrigo

- a. To help you save time and enhance your creativity in the kitchen.

8. Version Control - Robert

- a. <https://github.com/Mindstormer314/csci-3308-group-7-project-fridge-fusion>

9. Development Methodology - Group

- a. Week 1:
 - i. Setup Spoonacular API
 - 1. Robert
 - 2. Setup recipe database to save Spoonacular data.
 - a. Mount the DB volume inside of the git repository
 - ii. Set up a basic framework for front end viewing.
 - 1. Hanna- setup files, dependencies, etc...
 - 2. Frankie- basic handlebars pages
 - 3. Rodrigo- index.js
- b. Week 2:
 - i. Set up a local database and SQL query to find all unique ingredients.
 - ii. Basic outline of website with focus on recipe viewing.
- c. Week 3:
 - i. Develop ability to pull new recipes based on new ingredients.
 - ii. My Fridge page.
- d. Week 4:
 - i. Linking with friends.
 - ii. Link with friends page.
- e. We will use Agile to look back each week and see what needs to be adjusted. We will meet each week and go over what we have and next steps.
- f. Epic: As a cook, I want to be able to find recipes based on the ingredients in my fridge so that I know what I can cook.
- g. User Stories:
 - i. As a home cook, I want to input the ingredients I have in my fridge so that the app can suggest recipes I can make.

- ii. As a user, I want to connect with my friends and see what ingredients they have so that we can plan meals together.
- iii. As a health-conscious user, I want to know the ingredients to the recipe so that I can find meals that fit my needs.

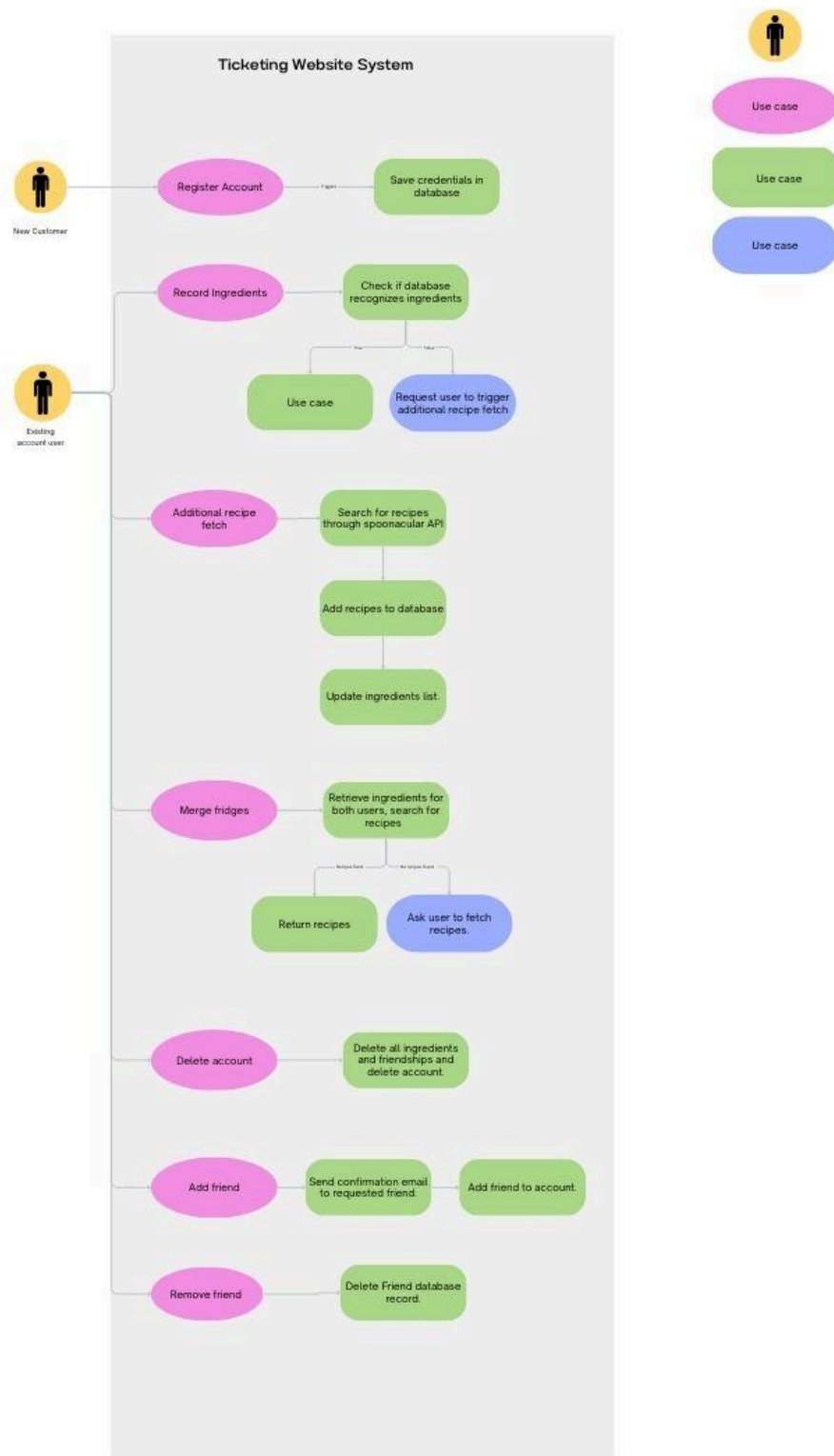
10. Communication Plan - Hanna

- a. Our team will primarily communicate through Discord, Microsoft Teams and email. We will use Microsoft Teams for our weekly meetings with each other. We've created a Discord server for texting and effective communication. For task tracking and version control, we will use GitHub to document progress, with issues and comments serving as a record of development tasks. Regular check-ins via Microsoft Teams and email updates will ensure that all team members remain aligned and on track.

11. Meeting Plan

- a. Team Meeting: Sundays at 9-10am on Zoom
- b. Weekly meeting with TA: Thursday 7:30 pm Zoom

12. Use Case Diagram- Robert



- a. 6 Tables:
- Users
 - Ingredients

- iii. Recipes
- iv. Ingredients to recipes
- v. Users to ingredients
- vi. Users-to-users (Friends)

13. Wireframes- Frankie

Login Page:

Frige Fusion | My Frige | Recipes | Friends | ②

Login:

My Fridge Page:

Frige Fusion | My Frige | Recipes | Friends | ②

Current Ingredients:

Remove

Remove

Remove

Remove

Remove

Add Ingredient:

Add

Pop up if someone enters a brand new ingredient:

New Ingredient!

Request recipes with this ingred

ignore

Profile Page:

Frige Fusion | My Frige | Recipes | Friends | ②

Frankie Nutter

Friends: 15

Edit Profile

Recipes Page:

Frige Fusion | My Frige | Recipes | Friends | ②

Recipes you can make:

X

X

X

X

Want more options?

Fuse with Friends

Friends Page

Frige Fusion | My Frige | Recipes | Friends | ②

My Friends

X

X

X

X

X

Add more

Search

Find recipes with friends:

Fuse with Friends

Fuse with Friends:

Frige Fusion | My Frige | Recipes | Friends | ②

Select friends

X

Recipes you all can make:

X

—

X

X

—

X