

# Recipe Finder Website

## Group 0x

Aidan Anderson | Jordan Hernandez | Luis Veltze  
Bailee Mulholland | Joshua Achorn | Frank Stinar

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Professor: Alan Paradise

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# **I. Milestone 1 - Project Proposal**

## **I. Description**

A website that logs ingredients in your household and finds recipes with what you have. Many ingredients go to waste from not being used and having an app that keeps track of what you already own and how it can be used can help with using up ingredients and not overspending on ingredients you already own. Along with logging what you already have, recipes you want to make can let you know what ingredients you need.

We can also retrieve item locations for everything needed to be purchased and plan a route that would allow the customer to purchase them the fastest (Will only work at the Boulder Target store, if time allows can be expanded to other Targets). Many new shoppers are not familiar with item locations in grocery stores and often waste a lot of time walking back and forth to find what they need if they are not familiar with the store or are looking for an item they might not need not purchase often.

## **II. Vision Statement**

A responsive website that works on a mobile device or the computer, that can take inputs for what ingredients the user currently has available and generates recipe ideas along with a list of items they need.

## **III. Motivation**

Many of us love cooking, while eating healthy and cheap. We would like to cut out as much busy work involved in cooking, such as buying ingredients, and knowing what you already own. An app such as this could assist us in enjoying our cooking.

## **IV. Risks**

1. Ability to push and pull from online databases
2. Ability to meet as a group
3. Lack of ability and skill
4. Overshooting with a project too big for this semester

## V. Risk Mitigation Plan

1. Being able to adapt and adjust our project and the way we handle the project.
2. Set up multiple meeting times and have some flexibility to meet in smaller groups.
3. If some team members are more experienced in some methods, being good teachers for peers will be helpful.
4. Work in sections and create smaller levels/goals to accomplish.

## VI. Version Control

Figure 1,2,3 are screenshots showing our three repositories with shared access.

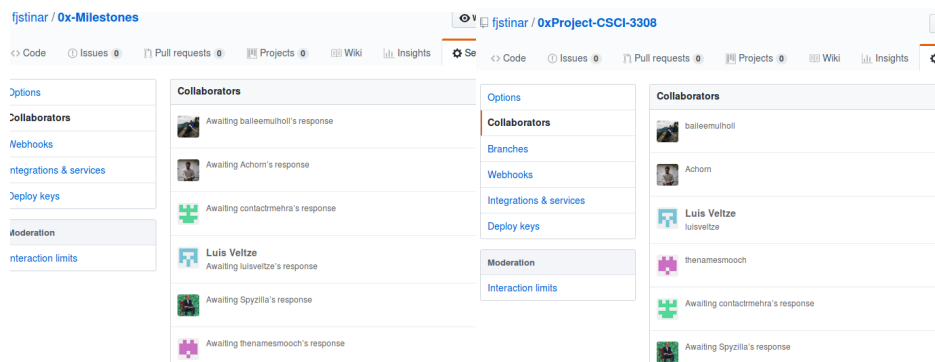


Figure 1: Milestones Repository Figure 2: Main Project Repository

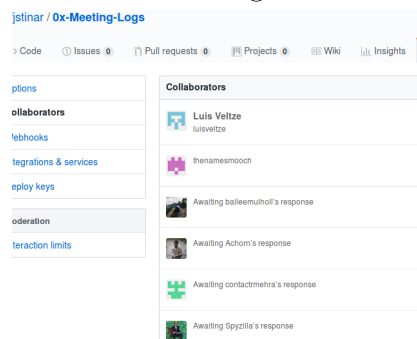


Figure 3: Meeting Logs Repository

## **VII. Development Method: Agile**

While we develop the project, we will be open to pivoting or shifting in order to make a better project.

## **VIII. Collaboration Tools**

1. Group text
2. Google Drive
3. Slack
4. Github
5. Overleaf

## **IX. Proposed Architecture**

1. **Backend technologies:** PHP, Python
2. **Middleware:** node.js
3. **Frontend:** HTML, CSS, Javascript