Frugal Finder

CSCI 3308 013-06

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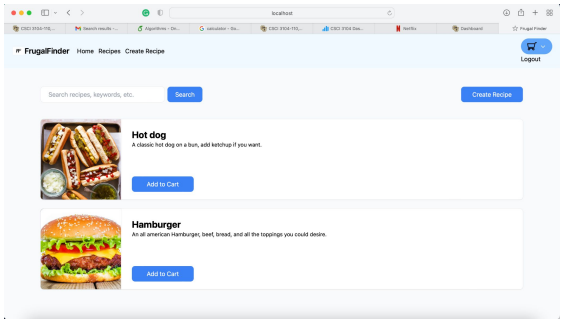
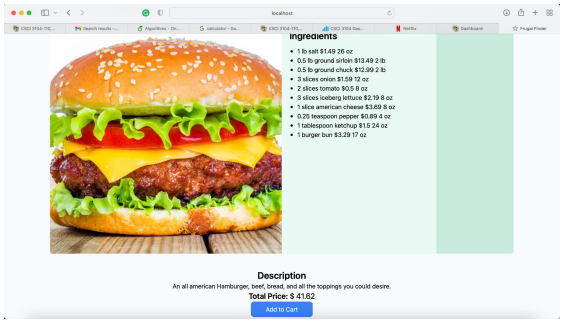
Description of the Project

Frugal Finder is a convenient tool for the grocery shopper who is frugally minded. **Frugal Finder** allows you to explore user generated recipes, to plan ahead for the week ahead, and to know exactly what to shop for. As a registered user, you may add your own recipes, create your own cart, which includes your selected recipes for the week, and save your shopping listed and live, expected price for your grocery run!

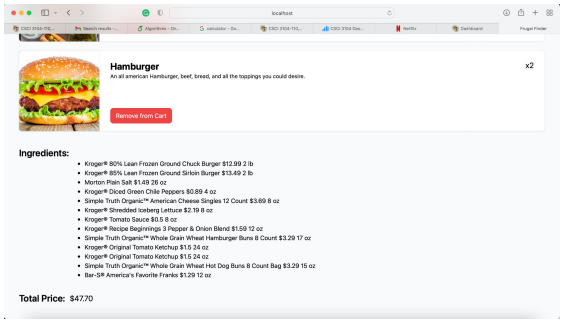
EXPLORE



PLAN



BUDGET



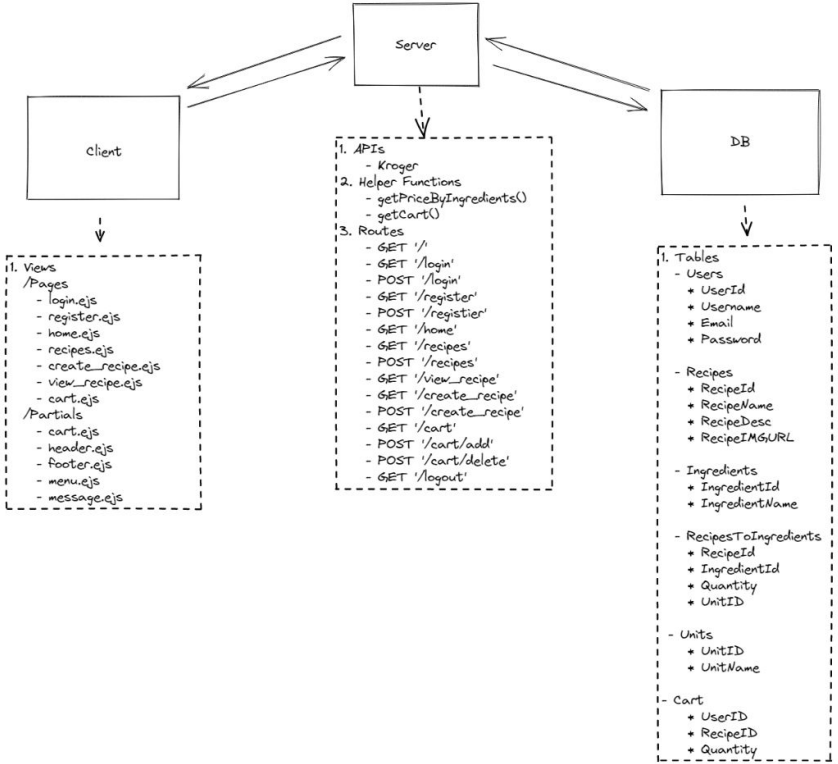
Tools Used

- **Github -** ★★★★★ - VCS Repository - Great for collaborative work, version control
- **PostgreSQL -** ★★★★★ - Database - Heavily relied upon for backend and database implement
- **HTML/CSS -** ★★★★ - UI Tools - Frontend implementation, used Tailwind over CSS
- **Tailwind -** ★★★★ - UI Tools - Primary styling used
- **Figma -** ★★★ **-** UI Tools - Used minimally for drafting fronted pages
- **EJS -** ★★★★★ **-** UI Tools - Heavily relied upon for
- **JavaScript -** ★★★★ **-** Scripting - Used for making dynamic elements on EJS pages

Tools Used cont.

- **NodeJS - ★★★★ -** Application server
- **LocalHost - ★★★★★ -** Deployment environment - Used for live testing, very useful for quickly testing changes
- **Docker - ★★★★★ -** Container **-** Very useful for keeping teams environments in sync
- **Kroger API - ★★★★★** - External API - Allowed for complete intended functionality of app
- **Github Projects - ★★★★★** - Project tracker - Great for planning, assigning tasks
- **VSCode - ★★★★** - IDE - Main IDE for all team members
- **Agile - ★★★★ -** Methodology - Useful for quick iterations on features and ease of pivoting

Architecture Diagram



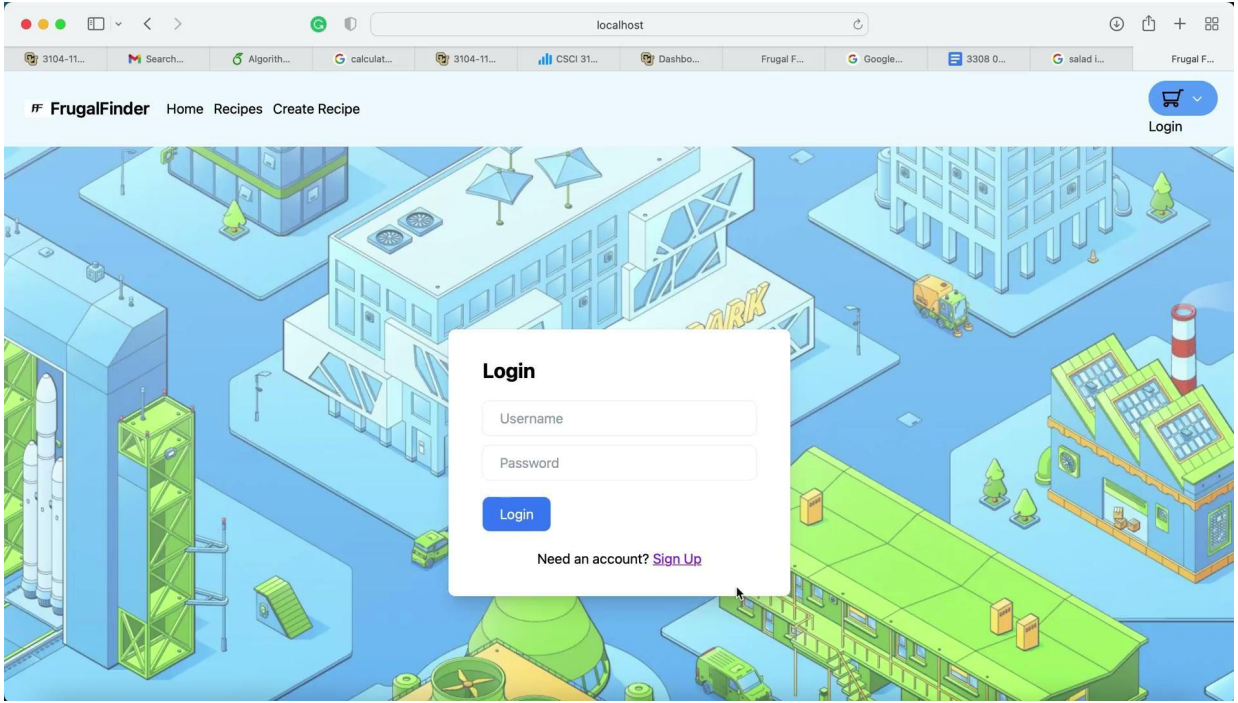
Challenges

API Implementation
- Faced difficulty in structural implementation
- Speed issues; access is inefficient
  - Used parallelization to reduce time costs

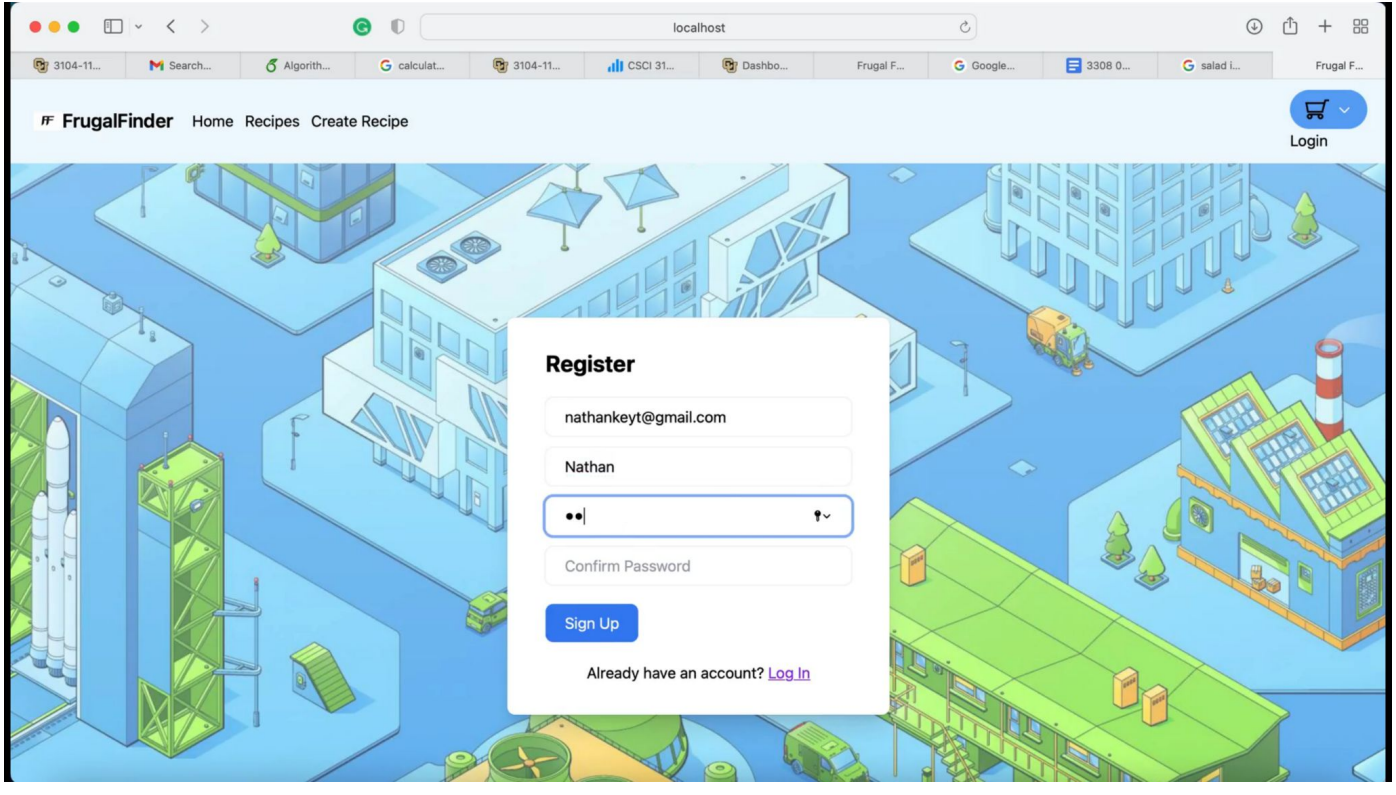
Create recipe multiple ingredient functionality
- Faced difficulty on having an indefinite amount of fields when implementing create_recipe, both on frontend and backend

Version Control & GitHub
- Minor difficulties in learning the workflow of Git
- Dealing with merge conflicts

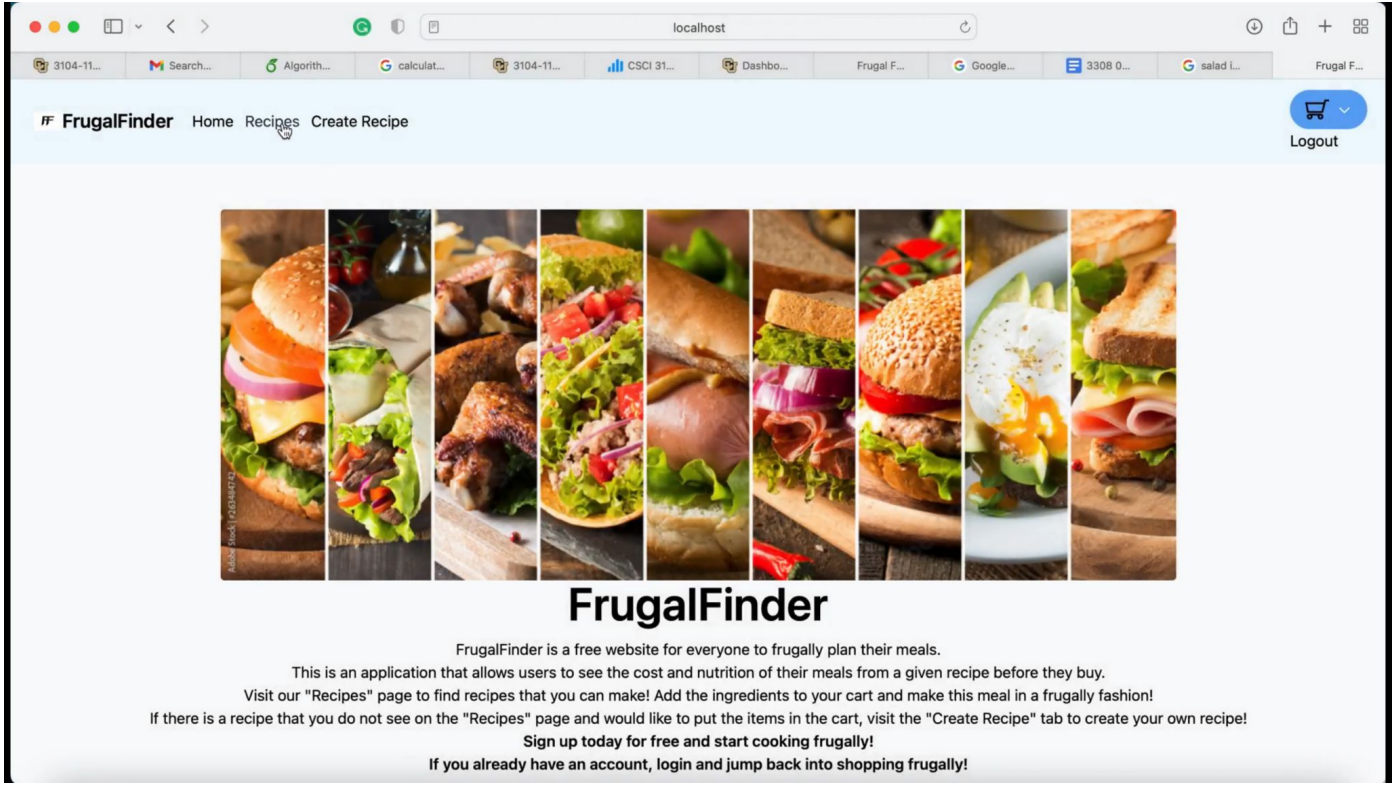
Demo - attached is a quick video demonstration followed by a slideshow walkthrough



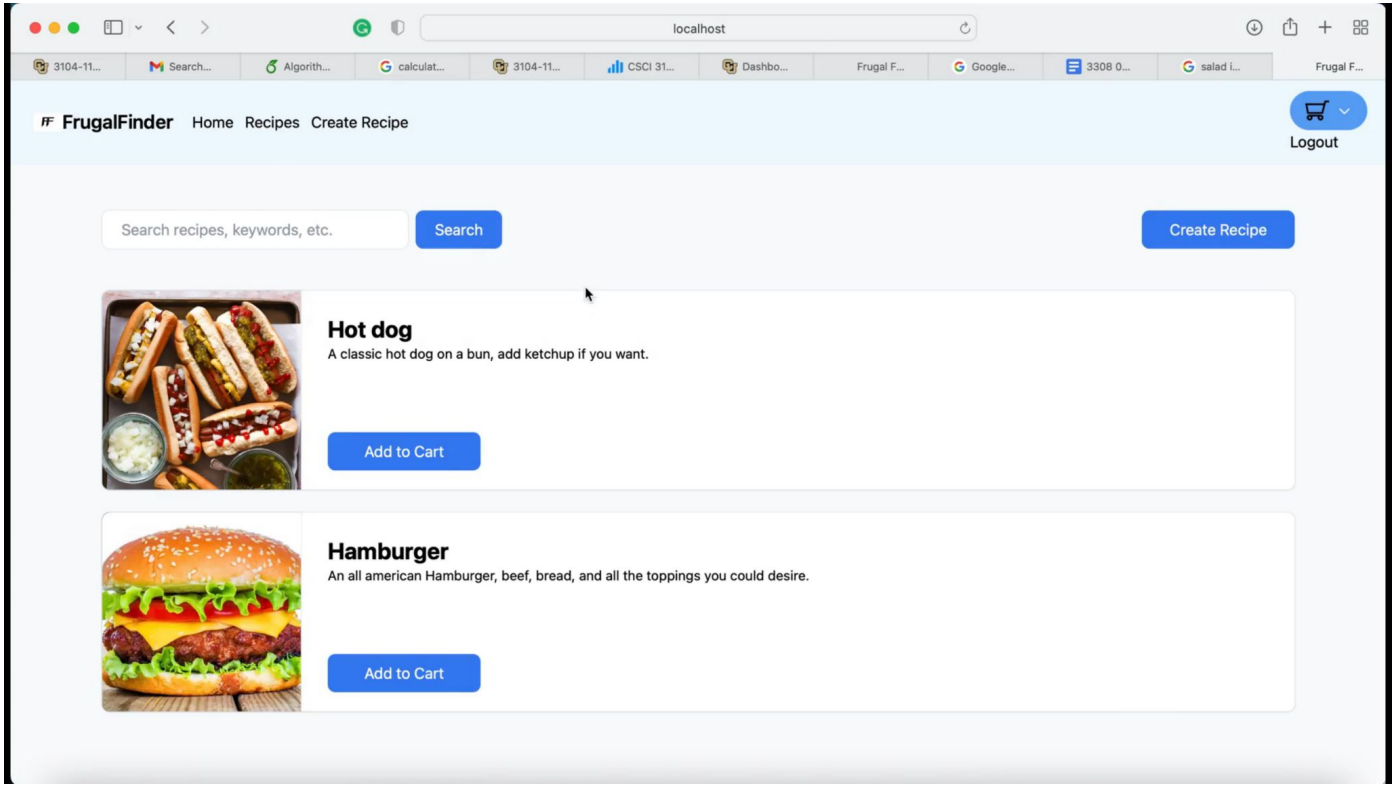
LOGIN OR REGISTER



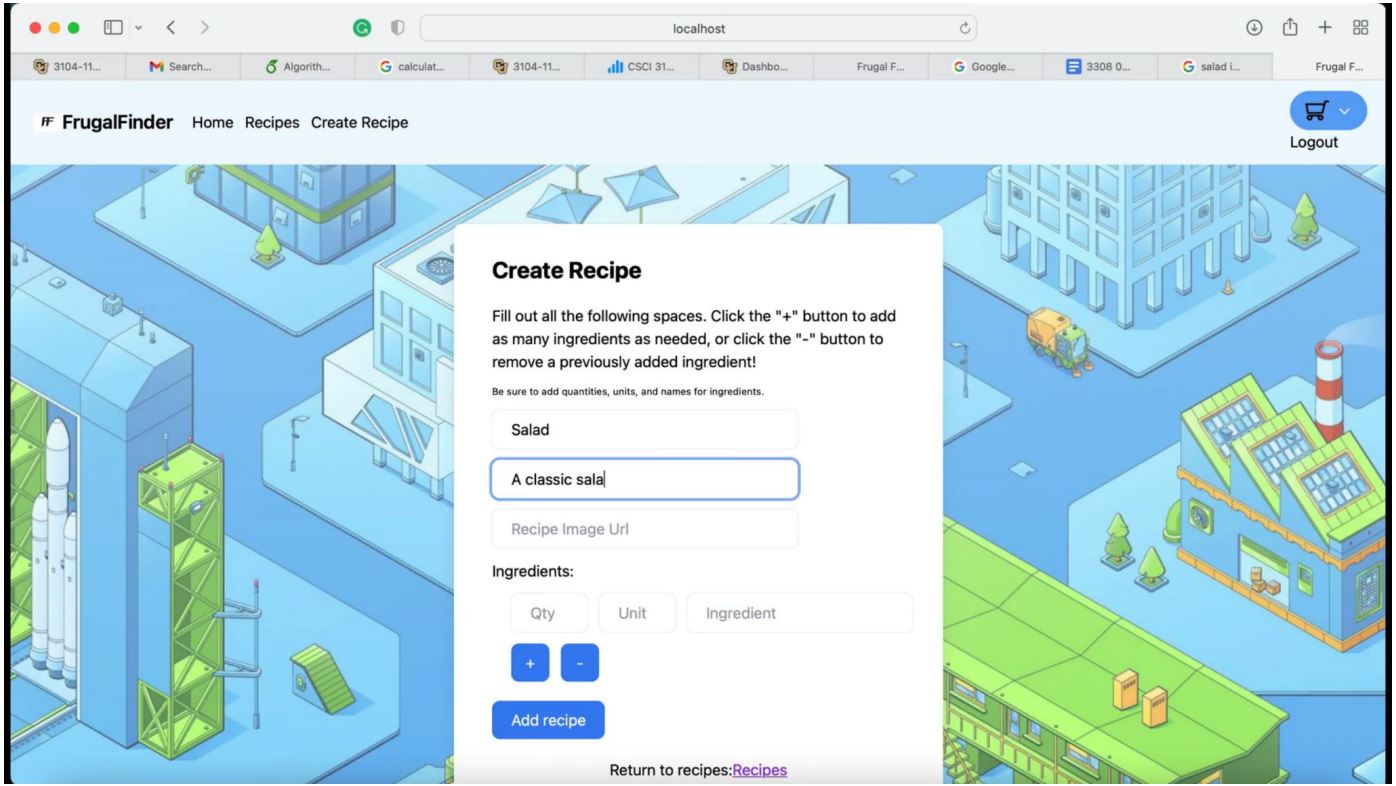
HOME


localhost
FrugalFinder
Home
Recipes
Create Recipe
Logout
FrugalFinder
FrugalFinder is a free website for everyone to frugally plan their meals.
This is an application that allows users to see the cost and nutrition of their meals from a given recipe before they buy.
Visit our "Recipes" page to find recipes that you can make! Add the ingredients to your cart and make this meal in a frugally fashion!
If there is a recipe that you do not see on the "Recipes" page and would like to put the items in the cart, visit the "Create Recipe" tab to create your own recipe!
Sign up today for free and start cooking frugally!
If you already have an account, login and jump back into shopping frugally!

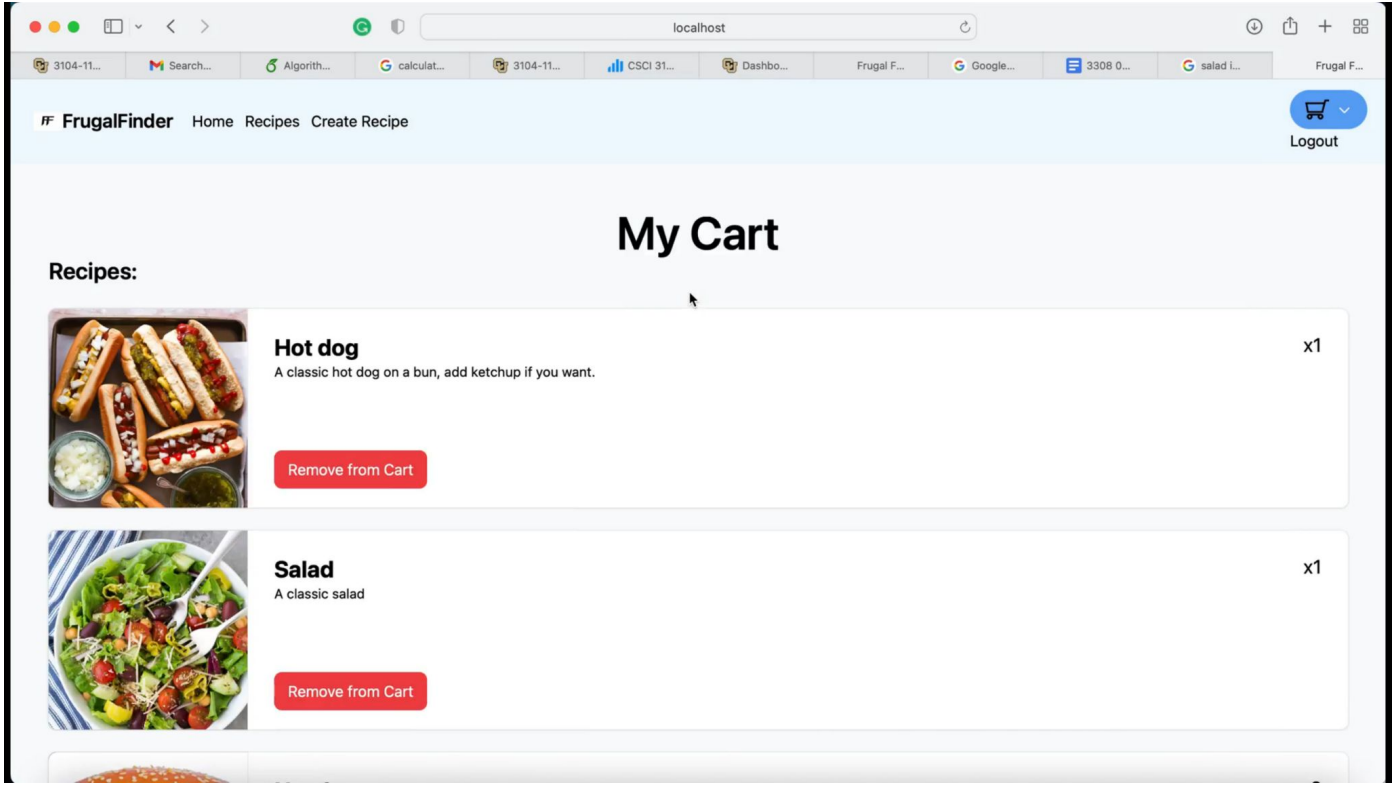
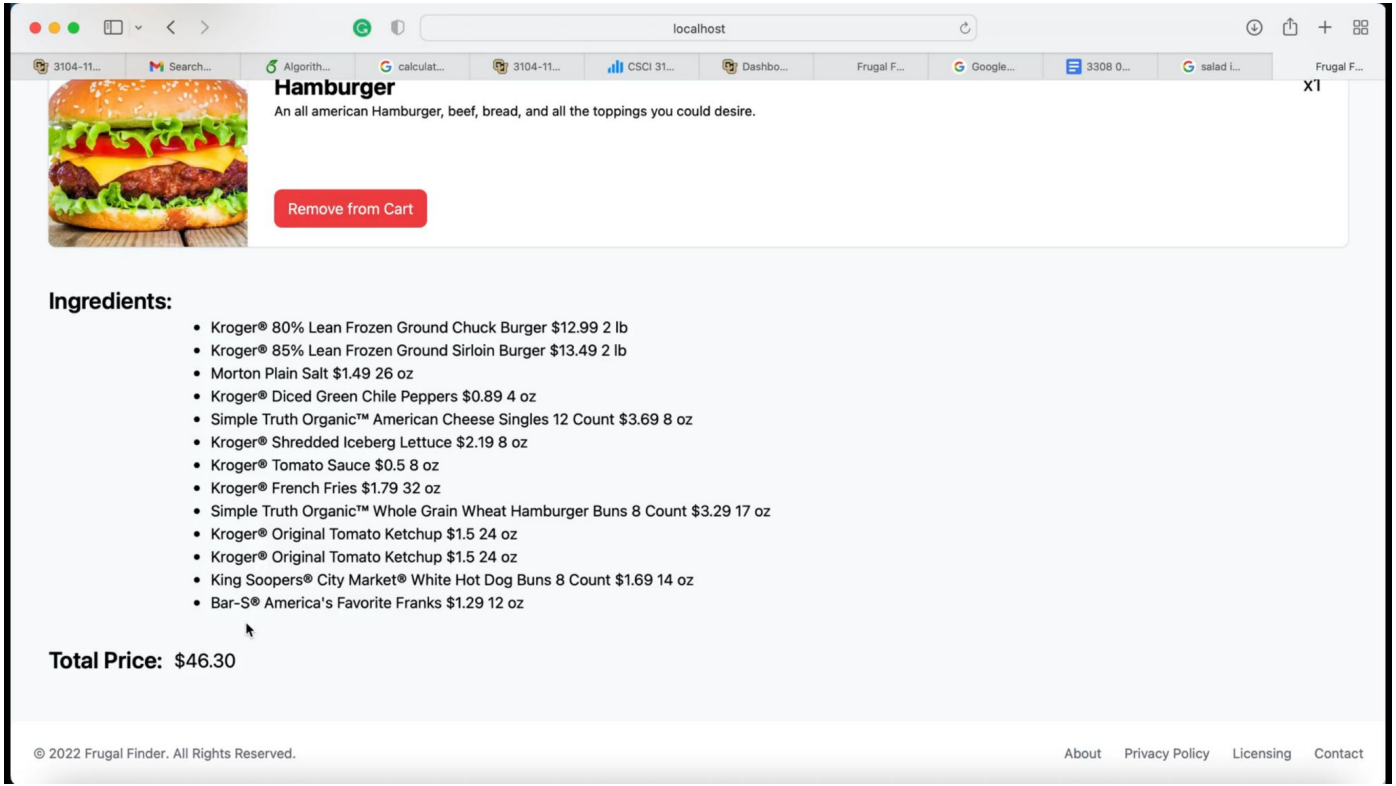
BROWSE RECIPES



CREATE A RECIPE



VIEW SELECTED RECIPES IN CART



VIEW TOTAL PRICE AND SHOPPING LIST FOR CART