

Frugal Finder

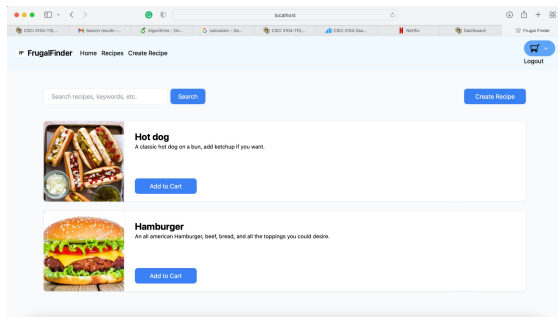
CSCI 3308 013-06

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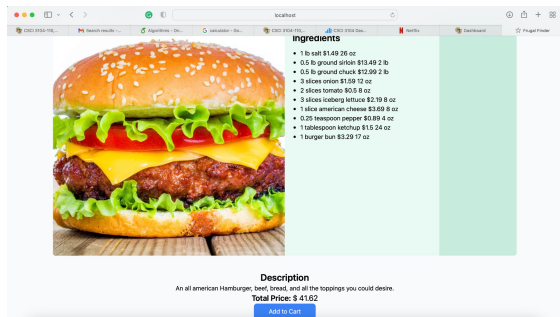
Description of the Project

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!

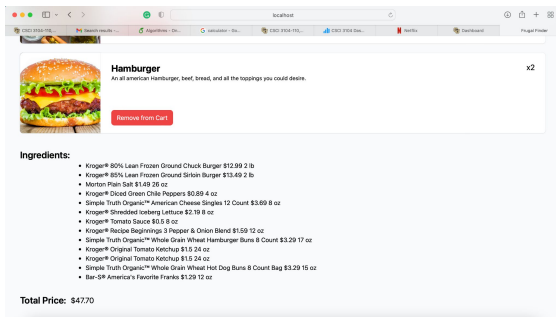
EXPLORE



PLAN



BUDGET



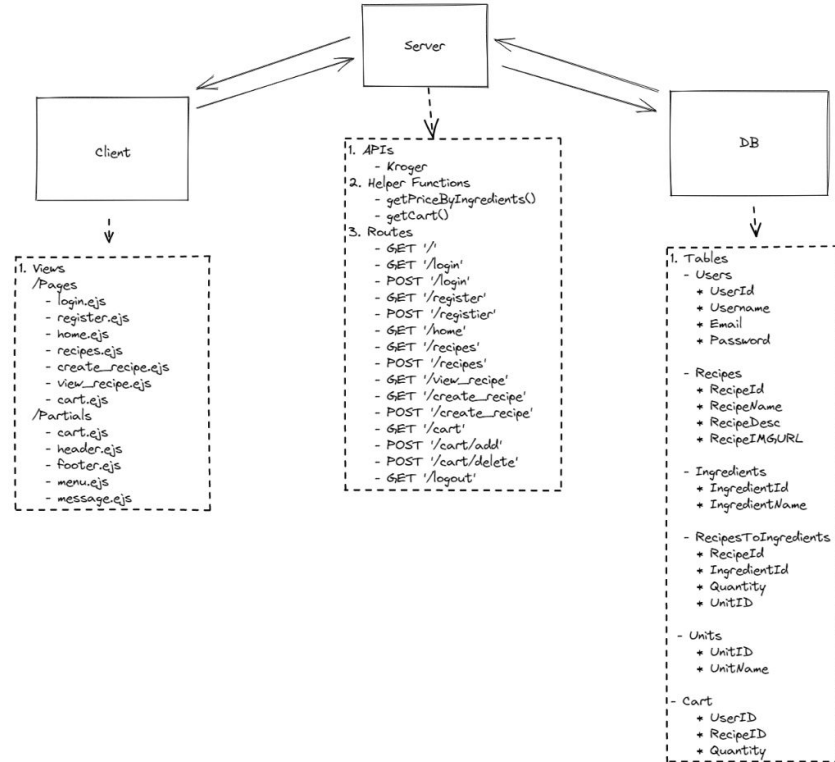
Tools Used

- **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

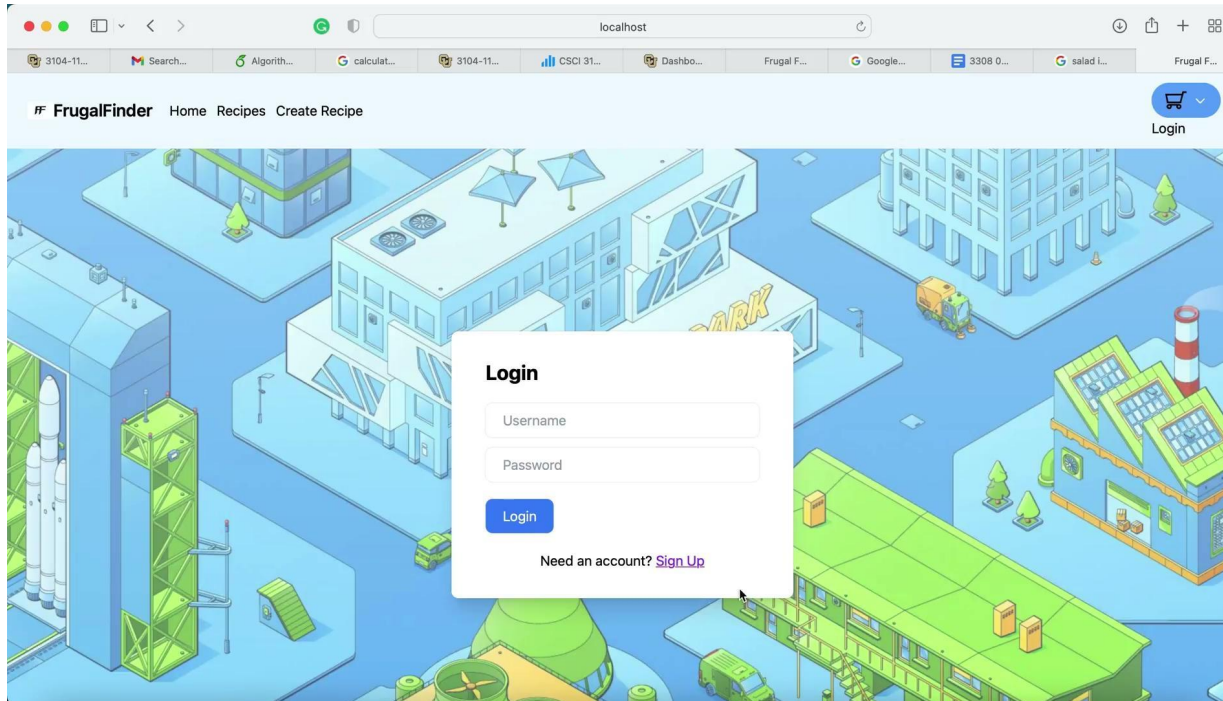
- Faced difficulty on having an indefinite amount of fields when implementing `create_recipe`, both on frontend and backend

Version Control & GitHub

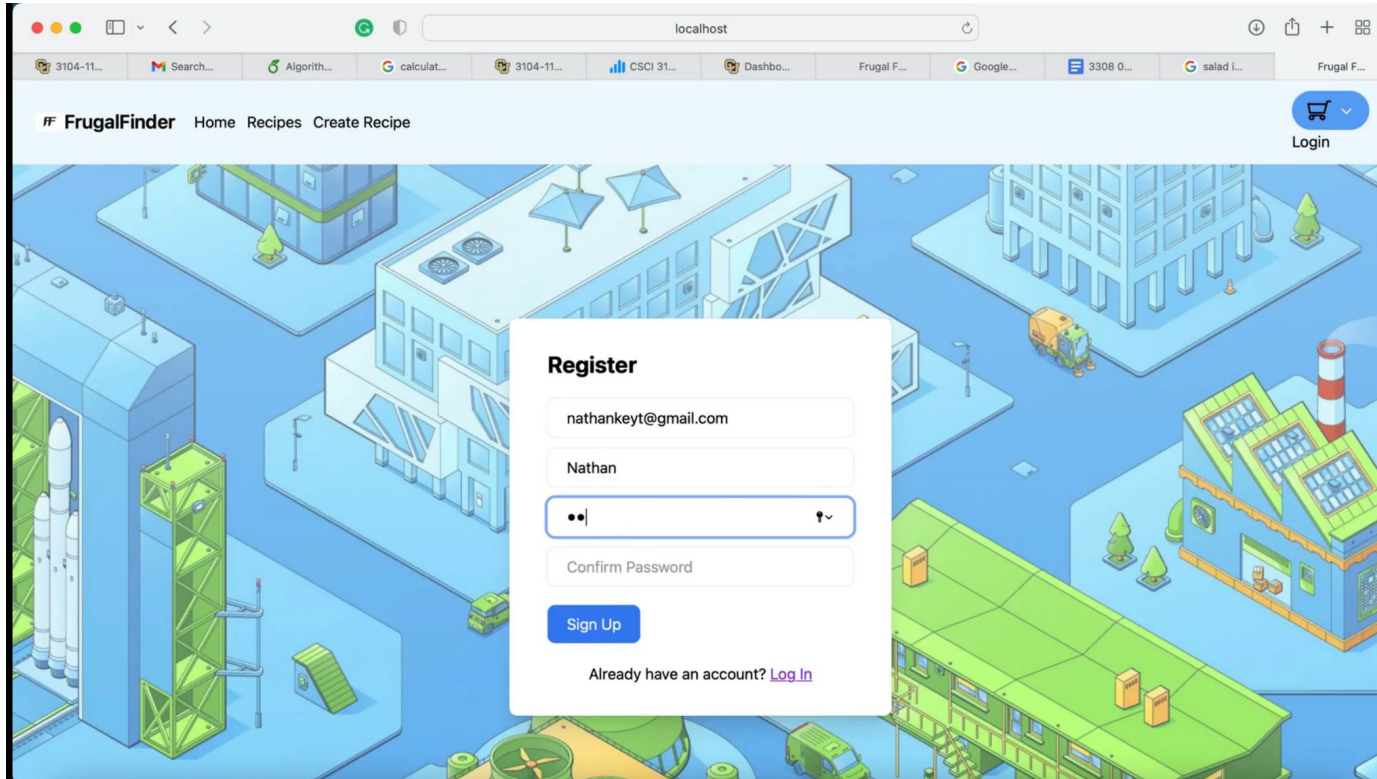
- Minor difficulties in learning the workflow of Git
- Dealing with merge conflicts

Demo

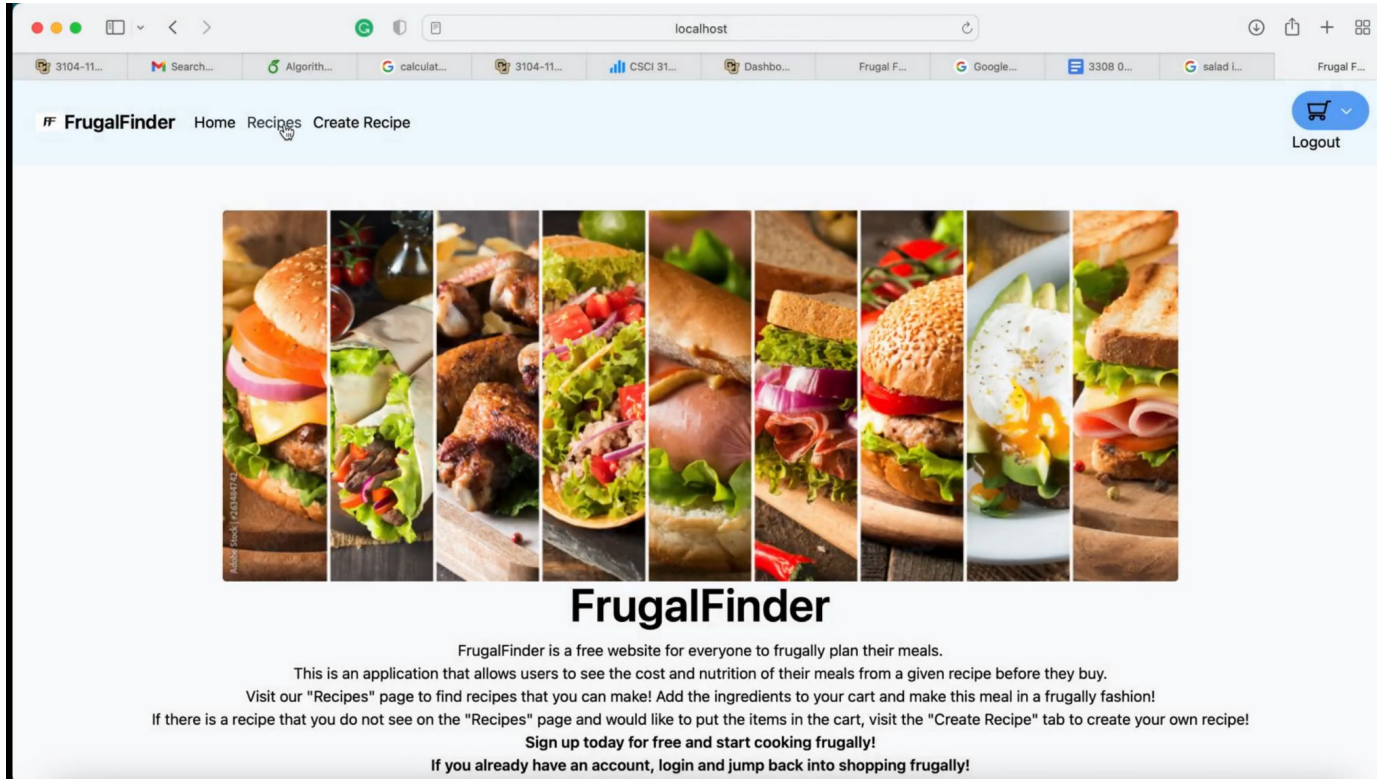
- attached is a quick video demonstration followed by a slideshow walkthrough



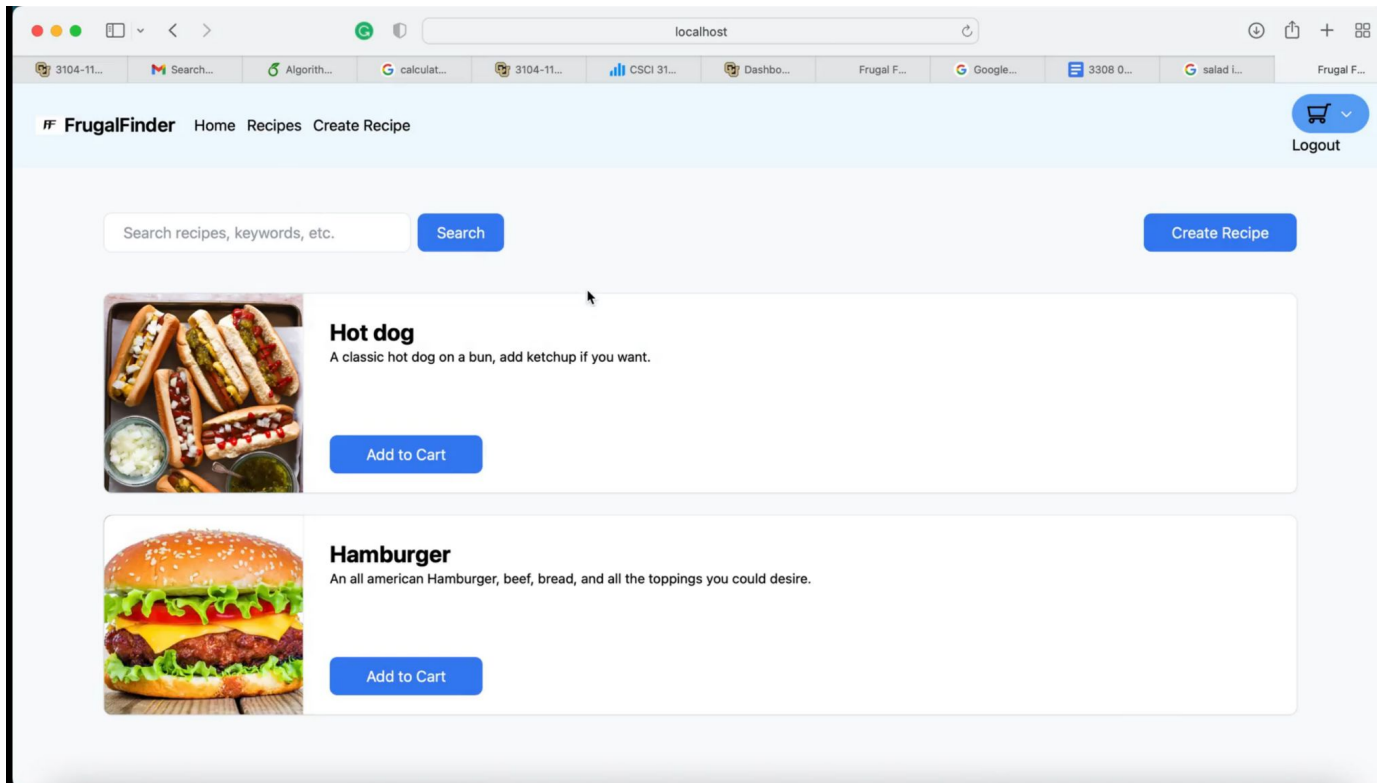
LOGIN OR REGISTER



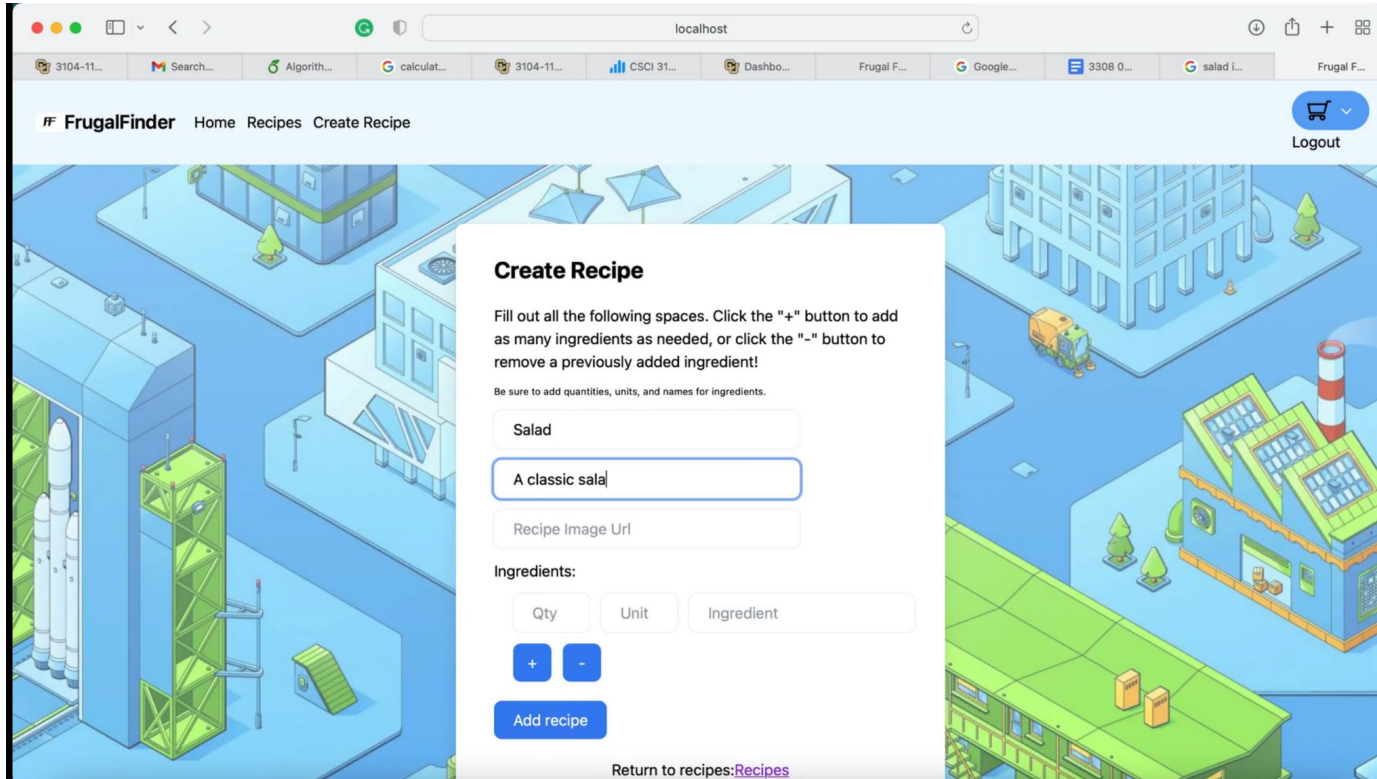
HOME



BROWSE RECIPES



CREATE A RECIPE



The screenshot shows a web browser window with the URL 'localhost'. The browser's tab bar includes several tabs: '3104-11...', 'Search...', 'Algorith...', 'calculat...', '3104-11...', 'CSCI 31...', 'Dashbo...', 'Frugal F...', 'Google...', '3308 0...', 'salad i...', and 'Frugal F...'. The website's header features the 'FrugalFinder' logo, navigation links for 'Home', 'Recipes', and 'Create Recipe', a shopping cart icon with a dropdown arrow, and a 'Logout' button. The background of the page is a colorful isometric illustration of a city with various buildings, a rocket launch, and a train. A central white modal form titled 'Create Recipe' is displayed. The form contains the following elements: a title 'Create Recipe', instructions to fill out spaces and use '+' and '-' buttons for ingredients, a note to include quantities and units, three input fields for 'Salad', 'A classic sala', and 'Recipe Image Url', an 'Ingredients:' section with a table header (Qty, Unit, Ingredient) and '+'/'-' buttons, an 'Add recipe' button, and a link to 'Return to recipes:Recipes'.

localhost

3104-11... Search... Algorith... calculat... 3104-11... CSCI 31... Dashbo... Frugal F... Google... 3308 0... salad i... Frugal F...

FrugalFinder Home Recipes Create Recipe

Logout

Create Recipe

Fill out all the following spaces. Click the "+" button to add as many ingredients as needed, or click the "-" button to remove a previously added ingredient!

Be sure to add quantities, units, and names for ingredients.

Salad

A classic sala

Recipe Image Url

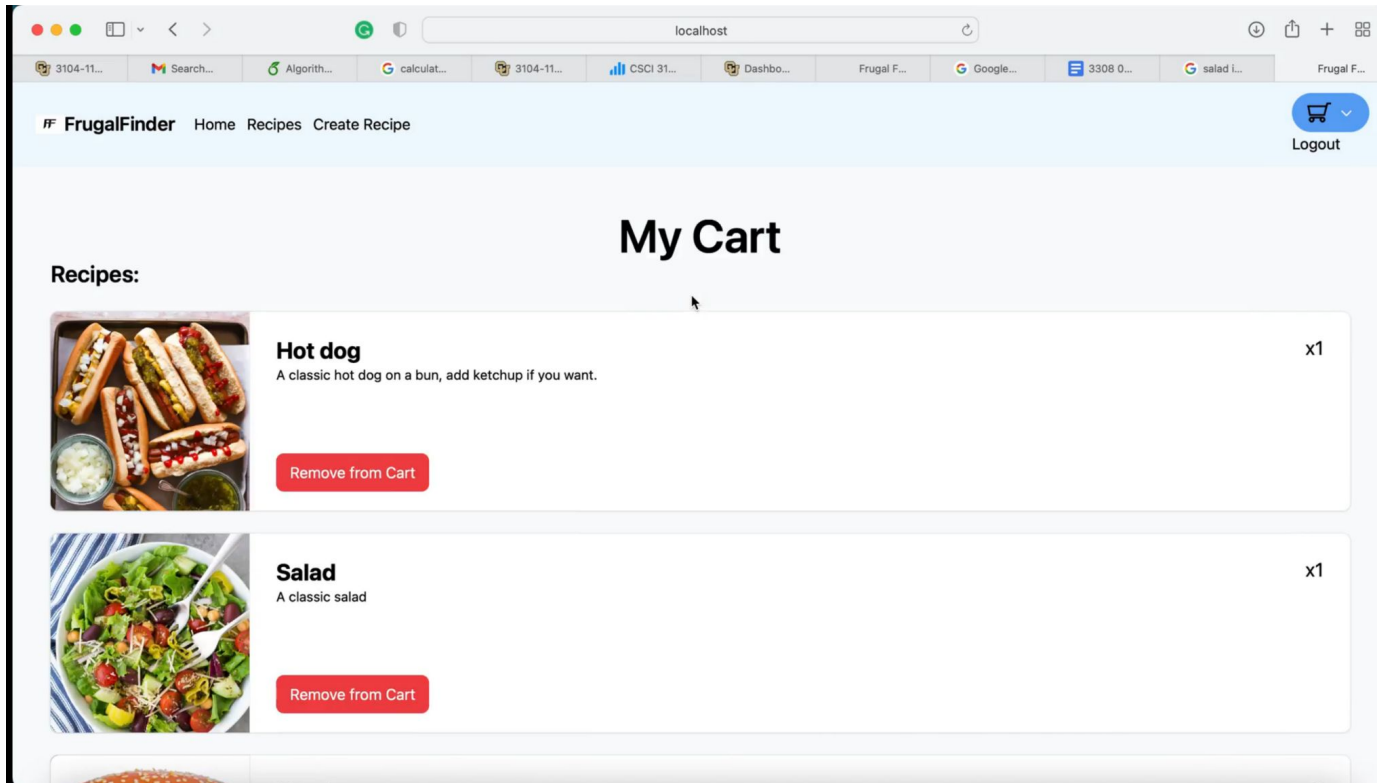
Ingredients:

Qty	Unit	Ingredient
+	-	


Add recipe

Return to recipes: [Recipes](#)

VIEW SELECTED RECIPES IN CART



VIEW TOTAL PRICE AND SHOPPING LIST FOR CART



Hamburger
An all american Hamburger, beef, bread, and all the toppings you could desire.

Remove from Cart

X1

Ingredients:

- Kroger® 80% Lean Frozen Ground Chuck Burger \$12.99 2 lb
- Kroger® 85% Lean Frozen Ground Sirloin Burger \$13.49 2 lb
- Morton Plain Salt \$1.49 26 oz
- Kroger® Diced Green Chile Peppers \$0.89 4 oz
- Simple Truth Organic™ American Cheese Singles 12 Count \$3.69 8 oz
- Kroger® Shredded Iceberg Lettuce \$2.19 8 oz
- Kroger® Tomato Sauce \$0.5 8 oz
- Kroger® French Fries \$1.79 32 oz
- Simple Truth Organic™ Whole Grain Wheat Hamburger Buns 8 Count \$3.29 17 oz
- Kroger® Original Tomato Ketchup \$1.5 24 oz
- Kroger® Original Tomato Ketchup \$1.5 24 oz
- King Soopers® City Market® White Hot Dog Buns 8 Count \$1.69 14 oz
- Bar-S® America's Favorite Franks \$1.29 12 oz

Total Price: \$46.30

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