

## **"GroceryPro: Your Ultimate Grocery Companion"**

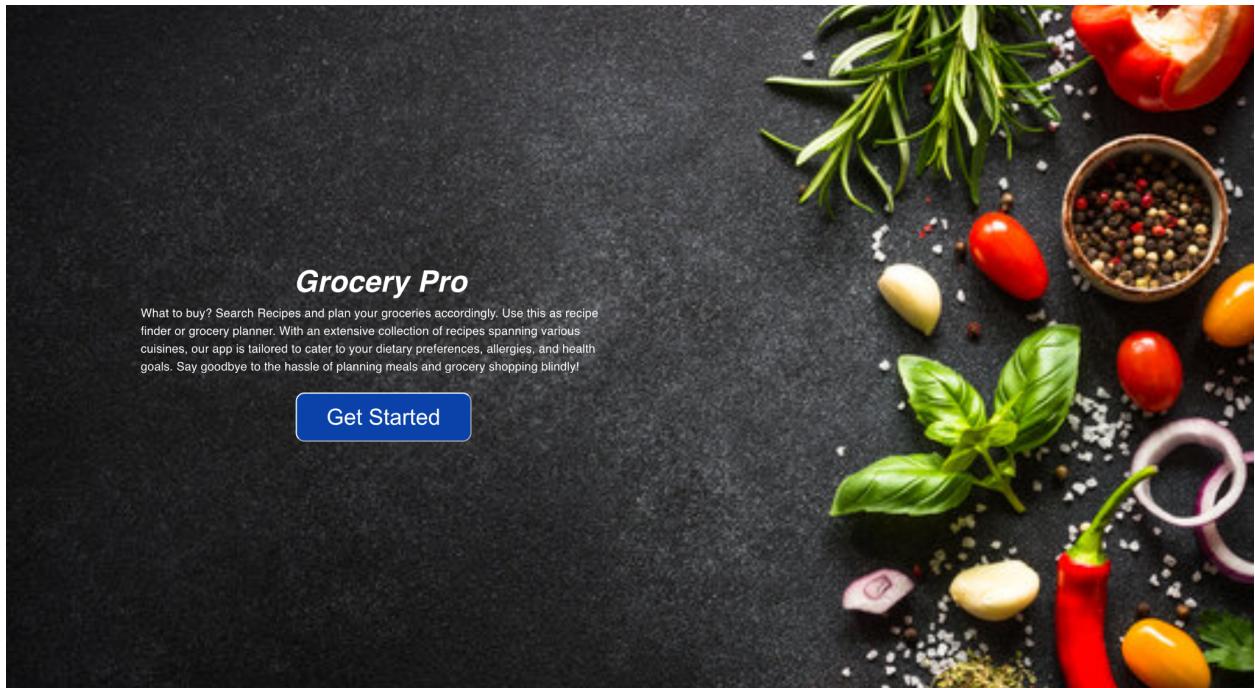
GroceryPro is a versatile and user-friendly web application designed to revolutionize your grocery shopping and cooking experience. With an extensive collection of recipes spanning various cuisines, our app is tailored to cater to your dietary preferences, allergies, and health goals. Say goodbye to the hassle of planning meals and grocery shopping blindly!

### **Key Features:**

1. **Grocery Planning Made Easy:** Each recipe includes a comprehensive list of ingredients required, making it effortless to plan your grocery shopping. GroceryPro also offers the option to create personalized shopping lists, ensuring you never miss a vital item during your next store visit.
2. **Comprehensive Recipe Library:** Explore a vast repository of recipes from around the world, featuring diverse cuisines such as Italian, Mexican, Indian, Chinese, and more. Whether you're a seasoned chef or a novice in the kitchen, GroceryPro has something for everyone.
3. **Customized Dietary Options:** Specify your dietary requirements, including vegetarian, vegan, gluten-free, dairy-free, and more. GroceryPro intelligently filters recipes based on your preferences, ensuring you find dishes that align with your lifestyle.
4. **Allergy-Friendly Alternatives:** Inform GroceryPro about your food allergies or sensitivities, and the web app will automatically suggest suitable ingredient substitutions for each recipe. Enjoy peace of mind knowing that your health and well-being are prioritized.
5. **Calorie and Nutrient Tracking:** Stay on track with your health and fitness goals by accessing detailed nutritional information for every recipe. GroceryPro provides calorie counts, empowering you to make informed decisions about your meal choices.
6. **User-Friendly Interface:** GroceryPro boasts an intuitive and visually appealing interface, making it a breeze to navigate through recipes, ingredients, and dietary preferences. Enjoy a seamless and enjoyable experience.

Experience the joy of cooking with GroceryPro, your ultimate kitchen companion. From discovering new flavors to planning your grocery shopping efficiently, our app empowers you to create delicious meals while adhering to your dietary restrictions and health goals. Visit GroceryPro today and unlock a world of culinary possibilities! <https://recipe-pro.vercel.app/>

## Design:



The image shows the search results page of the Grocery Pro app. At the top, there is a blue header bar with the app's logo on the left and a search bar on the right containing the placeholder text 'Search For Recipe by Keyword'. Below the header, there are four buttons: 'ALLERGIES', 'DIETS', 'CALORIES', and 'NUTRIENTS'. The main content area displays three recipe cards in a grid format. Each card includes a small thumbnail image, the recipe name, serving information, calorie count, and a list of dietary restrictions. The first card is for 'Basic Homemade Harissa Recipe', which serves 8 people and contains 333.75 kcal. It has a list of dietary restrictions including Sugar-Conscious, Kidney-Friendly, Keto-Friendly, Vegan, Vegetarian, Pescatarian, Paleo, Dairy-Free, Gluten-Free, Wheat-Free, Egg-Free, Peanut-Free, Tree-Nut-Free, Soy-Free, Fish-Free, Shellfish-Free, Pork-Free, Red-Meat-Free, Crustacean-Free, Celery-Free, Mustard-Free, Sesame-Free, Lupine-Free, Mollusk-Free, Mollusk-Free, Alcohol-Free, Kosher. The second card is for 'Cider Cookies', which serves 12 people and contains 266.99 kcal. It has a list of dietary restrictions including Low Potassium, Kidney-Friendly, Vegetarian, Pescatarian, Peanut-Free, Soy-Free, Fish-Free, Shellfish-Free, Pork-Free, Red-Meat-Free, Crustacean-Free, Celery-Free, Mustard-Free, Sesame-Free, Lupine-Free, Mollusk-Free, Alcohol-Free. The third card is for 'Cheesy Sloppy Joes', which serves 12 people and contains 256.45 kcal. It has a list of dietary restrictions including Sugar-Conscious, Egg-Free, Peanut-Free, Tree-Nut-Free, Soy-Free, Fish-Free, Shellfish-Free, Crustacean-Free, Celery-Free, Mustard-Free, Sesame-Free, Lupine-Free, Mollusk-Free, Alcohol-Free. At the bottom of the page, there is a navigation bar with arrows and the number '1' indicating the current page.

### Search For Recipe by Keyword

SEARCH

ALLERGIES
DIETS
CALORIES
NUTRIENTS

**Basic Homemade Harissa Recipe**



12 Servings

**75 kcal**

Conscious , Kidney-Friendly , Keto-Friendly , Vegan , Vegetarian , Pescatarian , Dairy-Free , Gluten-Free , Wheat-Free , Peanut-Free , Tree-Nut-Free , Soy-Fish-Free , Shellfish-Free , Pork-Free , Eat-Free , Crustacean-Free , Celery-Free , d-Free , Sesame-Free , Lupine-Free ,

**Allergies**

Celery-free    Crustacean-free    Diary-free    Egg-free  
 Fish-free    Gluten-free    Lupine-free    Mustard-free  
 Peanut-free    Sesame-free    Shellfish-free    Soy-free  
 Tree-Nut-free    Wheat-free

APPLY
CANCEL

**R Cheesy Sloppy Joes**



12 Servings

**266.99 kcal**

Low Potassium , Kidney-Friendly , Vegetarian , Pescatarian , Peanut-Free , Soy-Free , Fish-Free , Shellfish-Free , Pork-Free , Red-Meat-Free , Crustacean-Free , Celery-Free , Mustard-Free , Sesame-Free , Lupine-Free , Mollusk-Free , Alcohol-Free , Kosher

Sugar-Conscious , Egg-Free , Peanut-Free , Tree-Nut-Free , Soy-Free , Fish-Free , Shellfish-Free , Crustacean-Free , Celery-Free , Mustard-Free , Sesame-Free , Lupine-Free , Mollusk-Free , Alcohol-Free

**Basic Homemade Harissa Recipe**



12 Servings

**75 kcal**

Conscious , Kidney-Friendly , Keto-Friendly , Vegan , Vegetarian , Pescatarian , Dairy-Free , Gluten-Free , Wheat-Free , Peanut-Free , Tree-Nut-Free , Soy-Fish-Free , Shellfish-Free , Pork-Free , Eat-Free , Crustacean-Free , Celery-Free , d-Free , Sesame-Free , Lupine-Free ,

**Diets**

Alcohol-free    Balanced    High-Fiber    High-Protein  
 Keto    Kidney friendly    Kosher    Low-Carb  
 Low-Fat    Low potassium    Low-Sodium  
 No oil added    No-sugar    Paleo    Pork-free  
 Red meat-free    Vegan    Vegetarian

APPLY
CANCEL

**R Cheesy Sloppy Joes**



12 Servings

**266.99 kcal**

Low Potassium , Kidney-Friendly , Vegetarian , Pescatarian , Peanut-Free , Soy-Free , Fish-Free , Shellfish-Free , Pork-Free , Red-Meat-Free , Crustacean-Free , Celery-Free , Mustard-Free , Sesame-Free , Lupine-Free , Mollusk-Free , Alcohol-Free , Kosher

Sugar-Conscious , Egg-Free , Peanut-Free , Tree-Nut-Free , Soy-Free , Fish-Free , Shellfish-Free , Crustacean-Free , Celery-Free , Mustard-Free , Sesame-Free , Lupine-Free , Mollusk-Free , Alcohol-Free

### Search For Recipe by Keyword

for example : chicken pasta

**SEARCH**

**ALLERGIES**   **DIETS**   **CALORIES**   **NUTRIENTS**

  
Basic Homemade Harissa Recipe

8 Servings

**333.75 kcal**

Sugar-Conscious , Kidney-Friendly , Keto-Friendly , Vegan , Vegetarian , Pescatarian , Paleo , Dairy-Free , Gluten-Free , Wheat-Free , Egg-Free , Peanut-Free , Tree-Nut-Free , Soy-Free , Fish-Free , Shellfish-Free , Pork-Free , Red-Meat-Free , Crustacean-Free , Celery-Free , Mustard-Free , Sesame-Free , Lupine-Free , Mollusk-Free , Alcohol-Free , Kosher

**Calories**

Input maximum desired calories per serving.  
Default Serving is 100g

Calories-per-serving  kcal

**APPLY**   **CANCEL**

12 Servings

**266.99 kcal**

Low Potassium , Kidney-Friendly , Vegetarian , Pescatarian , Peanut-Free , Soy-Free , Fish-Free , Shellfish-Free , Pork-Free , Red-Meat-Free , Crustacean-Free , Celery-Free , Mustard-Free , Sesame-Free , Lupine-Free , Mollusk-Free , Alcohol-Free

  
Cheesy Sloppy Joes

12 Servings

**256.45 kcal**

Sugar-Conscious , Egg-Free , Peanut-Free , Tree-Nut-Free , Soy-Free , Fish-Free , Shellfish-Free , Crustacean-Free , Celery-Free , Mustard-Free , Sesame-Free , Lupine-Free , Mollusk-Free , Alcohol-Free

for example : chicken pasta

**SEARCH**

**ALLERGIES**   **DIETS**   **CALORIES**   **NUTRIENTS**

  
Basic Homemade Harissa Recipe

8 Servings

**333.75 kcal**

Sugar-Conscious , Kidney-Friendly , Keto-Friendly , Vegan , Vegetarian , Pescatarian , Paleo , Dairy-Free , Gluten-Free , Wheat-Free , Egg-Free , Peanut-Free , Tree-Nut-Free , Soy-Free , Fish-Free , Shellfish-Free , Pork-Free , Red-Meat-Free , Crustacean-Free , Celery-Free , Mustard-Free , Sesame-Free , Lupine-Free , Mollusk-Free , Alcohol-Free , Kosher

**Nutrients**

Fat    Saturated    Trans    Cholesterol    Sodium

Calcium    Magnesium    Potassium    Iron

Phosphorus    Vitamin A    Vitamin C    Thiamin(B1)

Riboflavin(B2)    Niacin(B3)    Vitamin B6    Folate

Vitamin B12    Vitamin D    Vitamin E    Vitamin K

**APPLY**   **CANCEL**

12 Servings

**266.99 kcal**

Low Potassium , Kidney-Friendly , Vegetarian , Pescatarian , Peanut-Free , Soy-Free , Fish-Free , Shellfish-Free , Pork-Free , Red-Meat-Free , Crustacean-Free , Celery-Free , Mustard-Free , Sesame-Free , Lupine-Free , Mollusk-Free , Alcohol-Free , Kosher

  
Cheesy Sloppy Joes

12 Servings

**256.45 kcal**

Sugar-Conscious , Egg-Free , Peanut-Free , Tree-Nut-Free , Soy-Free , Fish-Free , Shellfish-Free , Crustacean-Free , Celery-Free , Mustard-Free , Sesame-Free , Lupine-Free , Mollusk-Free , Alcohol-Free

for example : chicken pasta

SEARCH

ALLERGIES DIETS CALORIES NUTRIENTS

**Fat**

Choose minimum and maximum values for a desired nutrient per serving.  
For individual foods, the default serving size is 100 g

Min: 100

Max: 200

APPLY CANCEL

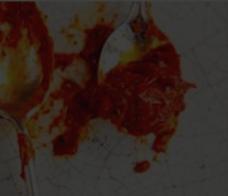
**266.99 kcal**

Low Potassium , Kidney-Friendly , Vegetarian , Pescatarian , Peanut-Free , Soy-Free , Fish-Free , Shellfish-Free , Pork-Free , Red-Meat-Free , Crustacean-Free , Celery-Free , Mustard-Free , Sesame-Free , Lupine-Free , Mollusk-Free , Alcohol-Free , Kosher

**12 Servings**

**256.45 kcal**

Sugar-Conscious , Egg-Free , Peanut-Free , Tree-Nut-Free , Soy-Free , Fish-Free , Shellfish-Free , Crustacean-Free , Celery-Free , Mustard-Free , Sesame-Free , Lupine-Free , Mollusk-Free , Alcohol-Free




Search For Recipe by Keyword

for example : chicken pasta

SEARCH

ALLERGIES DIETS CALORIES NUTRIENTS

**Cider Cookies**

Umm...?

Seems like you didn't enter any dish. We will show random food options.  
If you want to change this, give in a dish, else enjoy these random dishes.

GOTCHA

**12 Servings**

**266.99 kcal**

Low Potassium , Kidney-Friendly , Vegetarian , Pescatarian , Peanut-Free , Soy-Free , Fish-Free , Shellfish-Free , Pork-Free , Red-Meat-Free , Crustacean-Free , Celery-Free , Mustard-Free , Sesame-Free , Lupine-Free , Mollusk-Free , Alcohol-Free

**12 Servings**

**256.45 kcal**

Sugar-Conscious , Egg-Free , Peanut-Free , Tree-Nut-Free , Soy-Free , Fish-Free , Shellfish-Free , Crustacean-Free , Celery-Free , Mustard-Free , Sesame-Free , Lupine-Free , Mollusk-Free , Alcohol-Free




## **Development:**

To simplify your grocery shopping experience while ensuring your meals align with your dietary restrictions and health goals. With GroceryPro, planning your shopping list becomes a breeze, thanks to its seamless integration with a vast recipe database and customizable dietary options. Say goodbye to the frustration of aimlessly wandering through aisles and hello to an organized and efficient grocery shopping journey.

Main Library: @mui/material, axios

Title page: Title along with a little description of what the app is for, with a get started button that acts as an entry point to the website.

Main page: Search for recipes by keywords, for example, chicken pasta, etc.

It calls to the public API: <https://developer.edamam.com/edamam-docs-recipe-api>

Which gives the available recipes, the website shows only 10 recipes, to not overwhelm the user with the data.

Each recipe is shown in card view, showing the image, along with allergy and diet restrictions to give a preview. Each card has an info button that shows ingredients and recipes.

Filters like allergies, diets, calories, and nutrients are added to get recipes with added constraints.

## **Testing:**

Manual Testing: Ran manual tests to check for the functionality of each feature. And made changes accordingly.

Added errors to handle edge cases like no recipe, and failed API calls.

Automated Testing: Unit testing using jest. Please note that, because this is a trial project, didn't perform unit testing.

## **Future Ideas:**

To add more features, better UI to handle more functionality.

## **Website:**

Website Link: <https://recipe-pro.vercel.app/>