

Recipe Grandma

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Overview

As a **college student living in a dorm**, I want to know how to cook, so that I can save money.

As a **busy worker**, I want to cook simple meals, so that I can save time cooking and focus on my work.

As a **parent** with a daughter with high standards with her food, I want to know how to cook, so that I don't have to be stressed about picking what to cook.

Users can..

- 1) **Search up recipes** according to their ingredients in fridge
- 2) **Like** their favorite recipes so that they can come back to cook
- 3) **Leave ratings & reviews** to share thoughts
- 4) **Create & post** their own recipes to share with the community







We will NOW present our App!



Our App

Search Page





Add your ingredients

Added Ingredients List

[SEARCH FOR INGREDIENTS](#)

Recommended Recipes

Navigation Bar



[Search](#)
[Profile](#)
[Login](#)
[Register](#)

Login Page

Username

Password

[SUBMIT](#)

Register Page

Username

Password

Password

[SUBMIT](#)



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Our FINAL version:

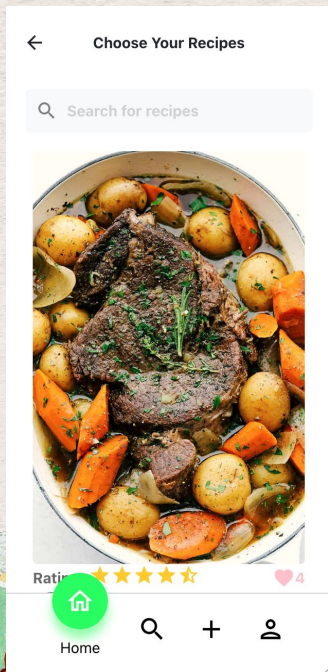
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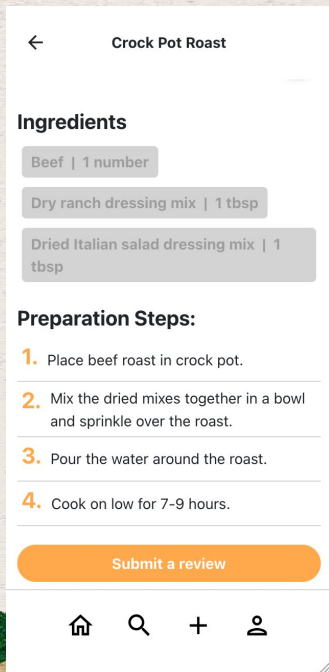
Our “NEW NEW NEW” App

and MORE!!!

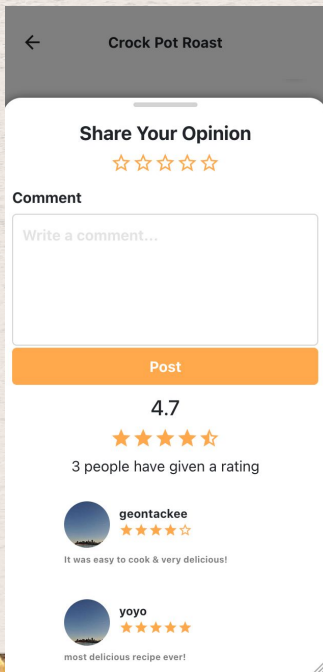
Home Page



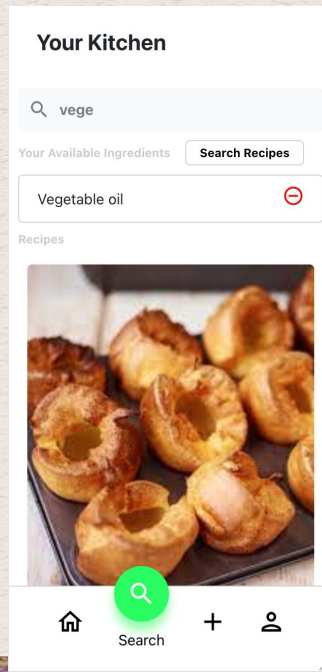
A Recipe Page



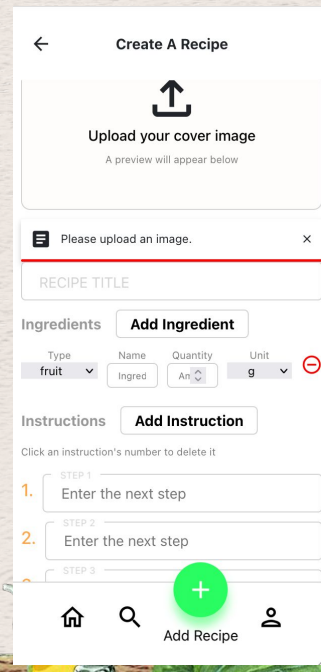
Review Pop-up



Search Page



Create Page



Challenges and Lessons

Challenges

- Almost everyone new to JavaScript: extensive review & studying
- Several app-wide merge conflicts
- Tests with protected routes from auth middleware
- App state without Redux and retaining API mutations
- Pushing/merging error-prone code which blocked others

Lessons-Learnt

- Quickly pick up with new technologies
- Importance of updating each other of assigned tasks
- Importance of starting early
- Custom CSS Frameworks take a while



Improvements

Technical

- API Pagination
- Redis cache for aggregations & recommendations
- Enricher & Builder Pattern for recipes and reverse-compatibility w/ MQ
- Achieve 100% test coverage
- Use a framework like NEXT with mongoDB
- Data wrappers for API contexts
- Mongoose ORM
- Social Media Registration
- User Profile Images & Following/Followers
- Better ingredient generation system
- Elastic Search for analytics
- Google Cloud for data-driven recommendation system
- Better & more intuitive UI



Achievements

- Dockerized container
- A library of React components and CSS extensions
- Error management and error clarity for each API endpoint

