Recipe Grandma

2022 September - 2022 December

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

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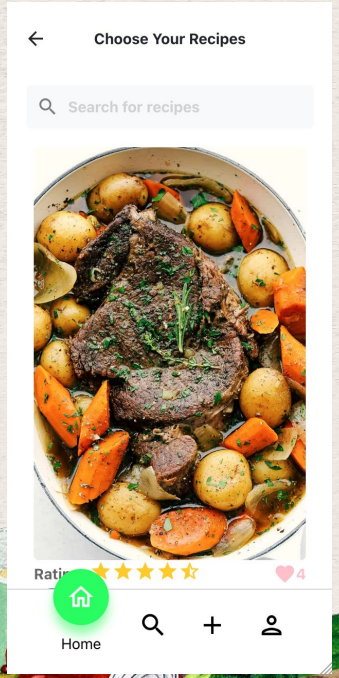
Our FINAL version :

http://143.198.111.184:3000/

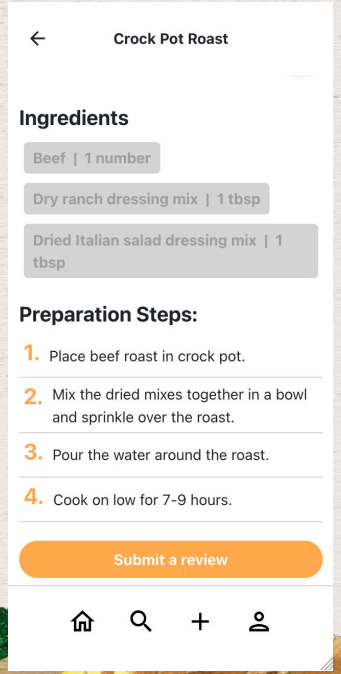
Our App

and MORE!!!

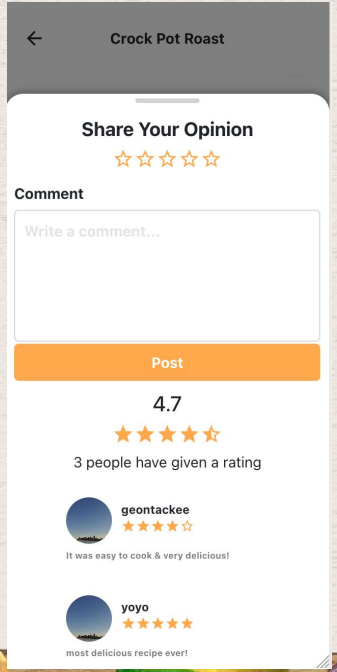
Home Page



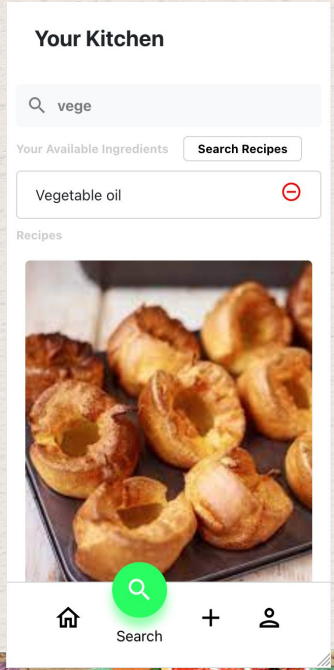
A Recipe Page



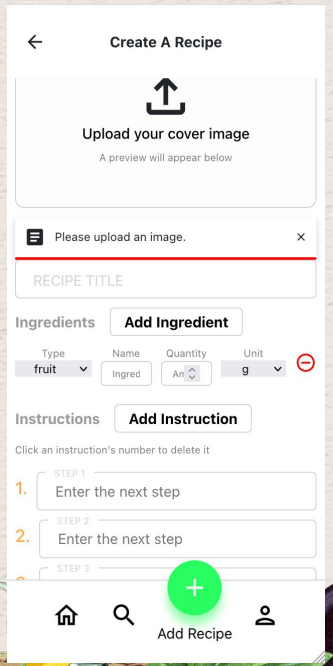
Review Pop-up



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