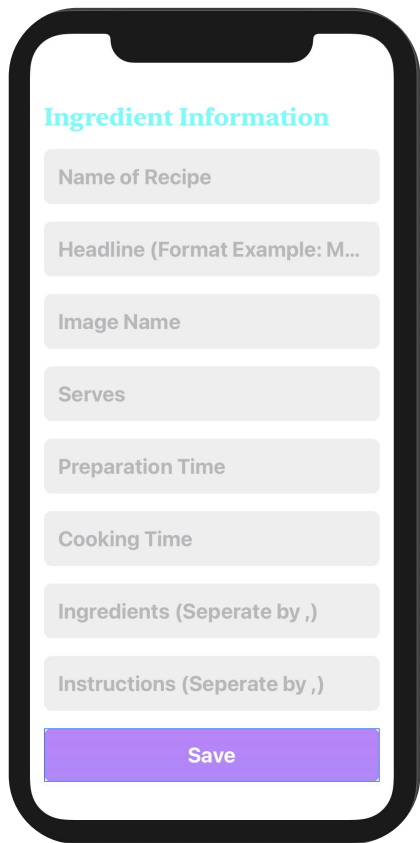# Mission Recipe

Group Members: Joshua Gray, Jaidin Jackson, Megan Stanton

MissionRecipe

Introduction

- Project:
  - Recipe app
- Motivation:
  - Reduce food waste
  - Reduce stress
- Approach:
  - Udemy SwiftUI Masterclass 2021 -iOS 14 App Development
  - SwiftUI 2 and Xcode
- Changes:
  - No changes, but did not meet all goals
- Conclusion:
  - Completed: user input (ingredients), base recipes, sorting
  - Work in progress: expiration date, discussion/social, user accounts

Customer Value

- Target customer:
  - Home chefs
  - College students
- Customer benefits:
  - Healthier diet
  - Save money
- No changes to customer value
  - Original plan still intact

Ingredient Information

Name of Recipe

Headline (Format Example: M...
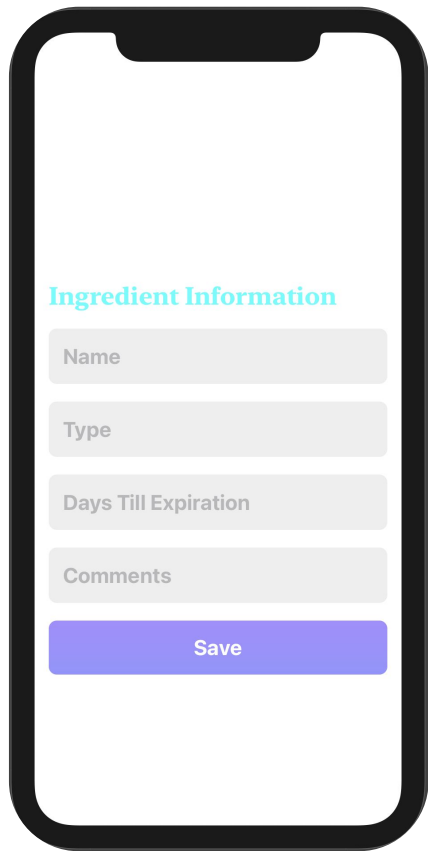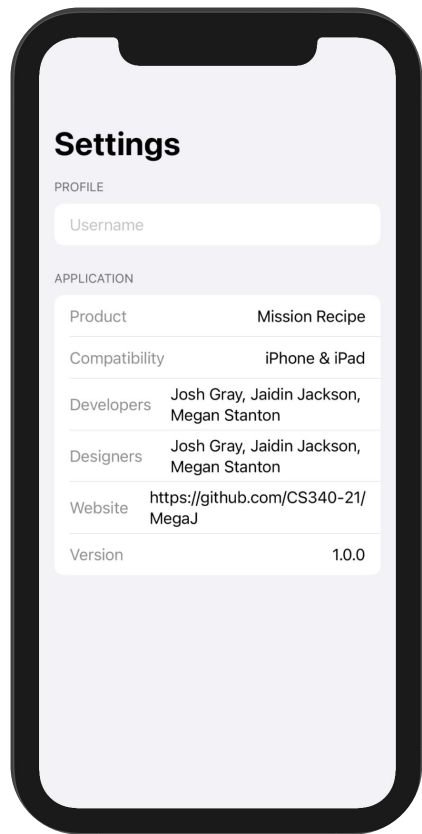
Image Name

Serves

Preparation Time

Cooking Time

Ingredients (Seperate by ,)

Instructions (Seperate by ,)

Save

Technology & Testing

- Development environment:
  - Xcode
- Swift Coding Language
  - More Difficult Than We Expected
  - Lengthy course
- Testing:
  - XCode Emulator Feature
    - User input (recipes and ingredients)
    - Changing tabs
    - Refreshing tabs
    - Opening and closing application

Ingredient Information

Name

Type

Days Till Expiration

Comments

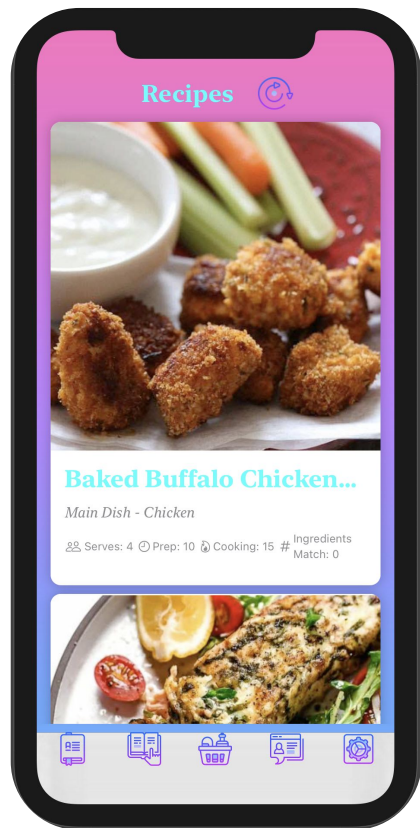**Save**

Team

Joshua Gray (Experienced Programmer)

- Sorting Algorithms
- App Layout Code

Jaidin Jackson (User Advocate)

- UI design
- Settings Tab Code
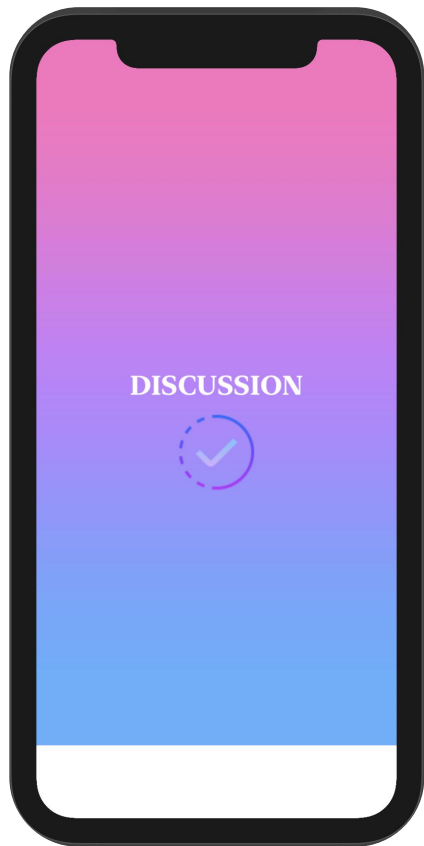
Megan Stanton (Project Manager)

- Ingredient View Code
- Recipe View Code
- User Input Interface

Settings

PROFILE

Username

APPLICATION

Product	Mission Recipe
Compatibility	iPhone & iPad
Developers	Josh Gray, Jaidin Jackson, Megan Stanton
Designers	Josh Gray, Jaidin Jackson, Megan Stanton
Website	https://github.com/CS340-21/MegaJ
Version	1.0.0

Project Management
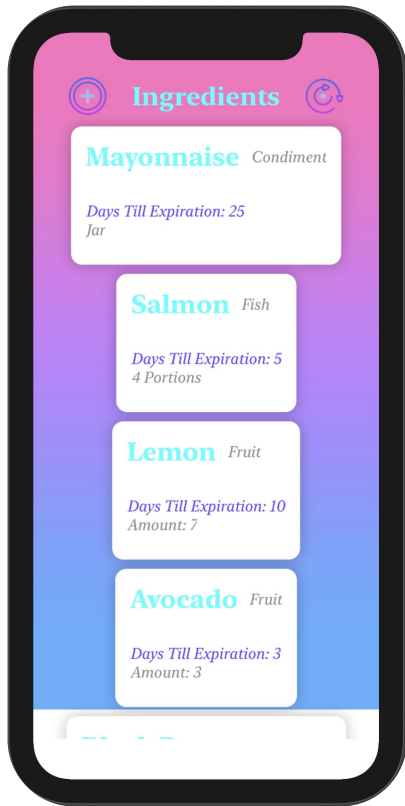
Revised Schedule:
* Week 1 (2/15 - 2/19) - Revise Project Proposal
* Week 2, 3, 4, and 5 (2/22 - 3/19) - Complete Swift Course
* Week 6 (3/22 - 3/26) - Implement Basic Layout of Application
* Week 7 (3/29 - 4/2) - Implement Design of Various Views
* Week 8 (4/5 - 4/9) - Implement Inputting of Recipes and Ingredients
* Week 9 (4/12 - 4/16) - Implement Sorting Algorithm
* Week 10 (4/17 - 4/23) - Finish project report and presentation

- Unfortunately, due to how long the swift course took to complete, we were unable to meet a lot of our deadlines.

Challenges

- Saving Data Once App Closed
  - Solution Too Complex
- Letting Users Input Images
  - Use Preloaded Images
- Updating Views
  - Added Refresh Button
- User Accounts & Discussion Board
  - Ran Out of Time

DISCUSSION

Reflection

- What went well?
  - Team management, development, testing
- Not?
  - Planning
- Overall success?
  - YES

Demo