



PantryFi



Group 5



PantryFi

Group Members:

- David Ares
- Hassaan Raza
- Audric Ganser

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Application Description:

A mobile app that finds recipes based on ingredients you already have available, or want to specifically have in your meal based on your choice or diet restriction. You may enter food items into the app by either typing in an entry, scanning barcodes. Once you have your pantry items entered, you can search for all possible recipes. The search results will return a list of recipes based on the amount of ingredients that you have entered in your pantry, diet selection, and allergies inputted into the app. The application will also allow you to create your own recipe and store it into your favorites selection.

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Target Audience:

- Home cooks
 - Allows them to eat out less
 - Save them money by using the items that they already have
 - Learning new recipes and submit recipes for others to try

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Application Functionality:

- Create new user account manually or login with Facebook
- Add pantry items to a list and amount
- Search recipes based on items in pantry, diets, and Allergies
- Search any recipes
- Save Recipes to a favorites list
- Add items recipe ingredients to a shopping list
- Input pantry items be using a food item scanner with your camera
- Change profile image
- Add diets which will exclude recipes that do not follow that chosen diet
- Add Allergies that will exlude recipes from a users search

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Application Challenges Experienced:

- Get educational access to the Spoonacular API in order to get the search functionality working.
- Parse data from the API to add to the application
- Change the layout of the design after Beta release to include a tab view controller for the menu
- Learn how to store and read data to Firebase.
- Separate storyboards to their own folders for easier collaboration

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Group member Contributions:

David Ares:

- Search functionality
- API implementation
- Storyboard organization
- Search view controllers

Hassaan Raza:

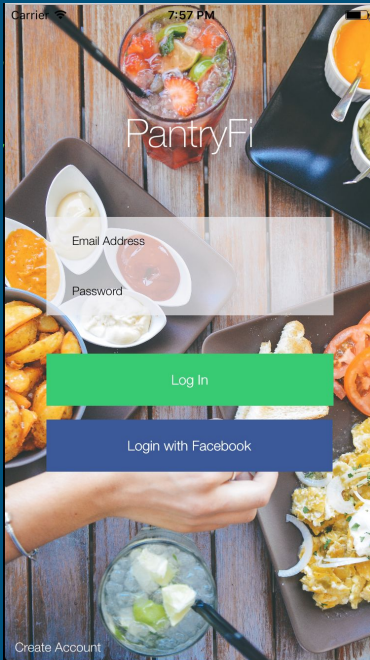
- Tab view controller
- UI design
- UPC Scanner
- Shopping list
- Favorites
- Firebase implementation

Audric Ganser:

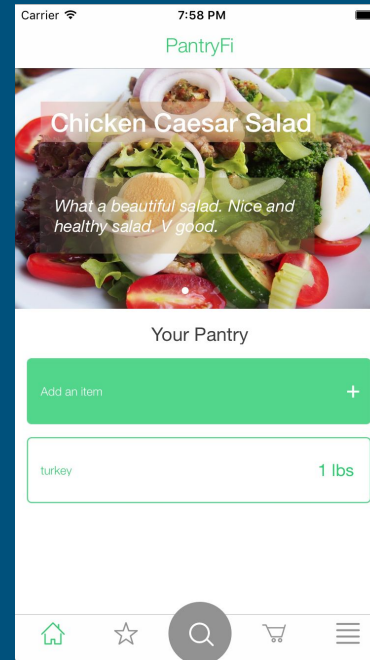
- UI Design
- Profile implementation
- Image picker
- Allergies
- Diets

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Screenshots:



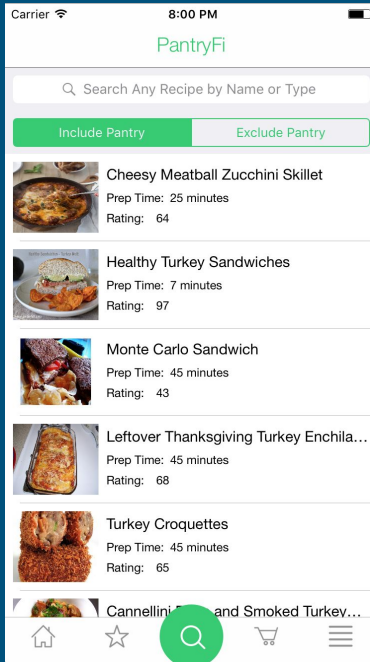
Make a new user account by clicking on create account on the bottom or by logging in by facebook.



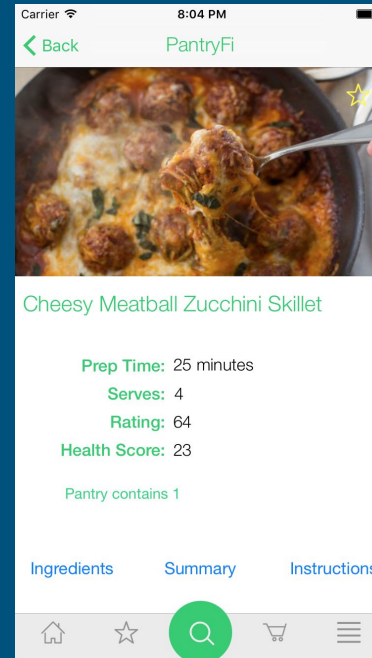
Add pantry items by clicking on the add item tab. These items will be the first used when pressing the search button.

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Screenshots:



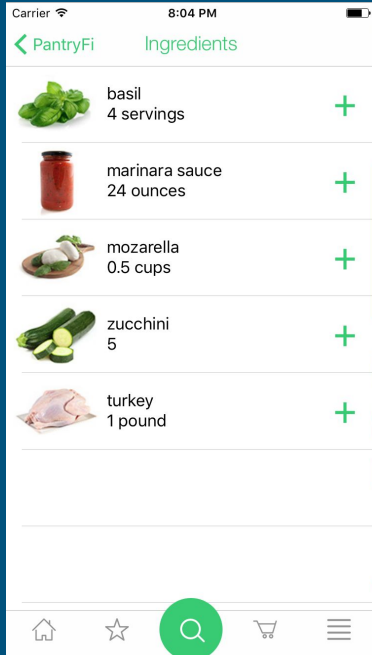
You can search for recipe items with your search items or without by clicking on the tab below the search button.



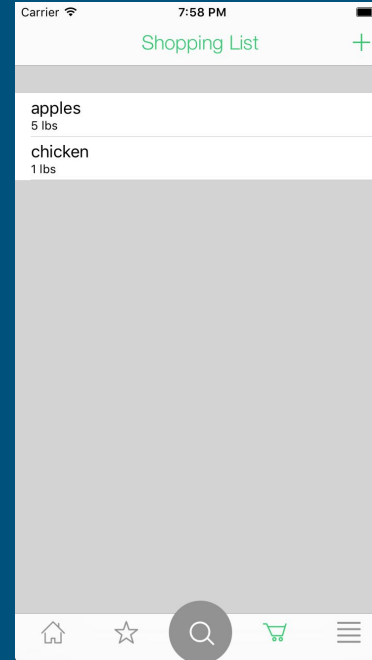
The recipe view gives you the information that you would most likely find useful as well as how many items in the recipe you have in your pantry. The buttons on the bottom will take you to other views that display that information. The star on the image allows you save the recipe to your favorites.

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Screenshots:



This is the ingredients view which displays what ingredients will be needed for the chosen recipe. The plus on the right side allows you to add items to your shopping list for purchase at a store.



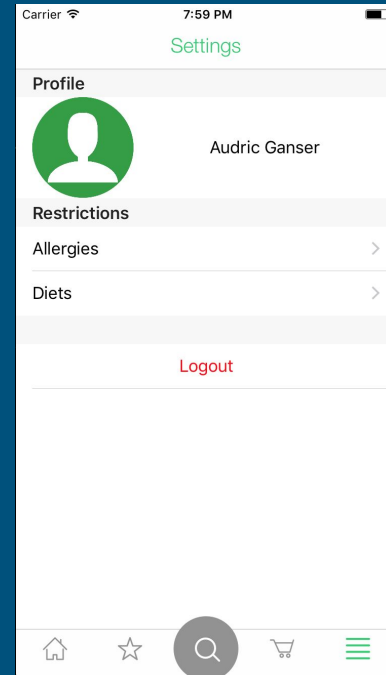
You can add items to the shopping list manually by pressing the top right button. Once you have made your purchase, you can check off the items by touching them or delete them by swiping left on the item.

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Screenshots:



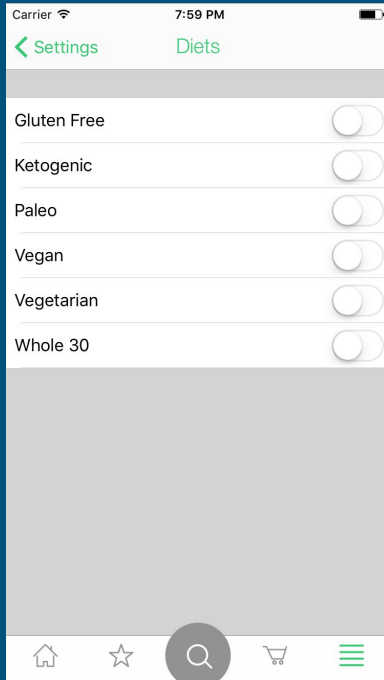
The favorites displays all of the recipes that you have chosen to be your favorite.



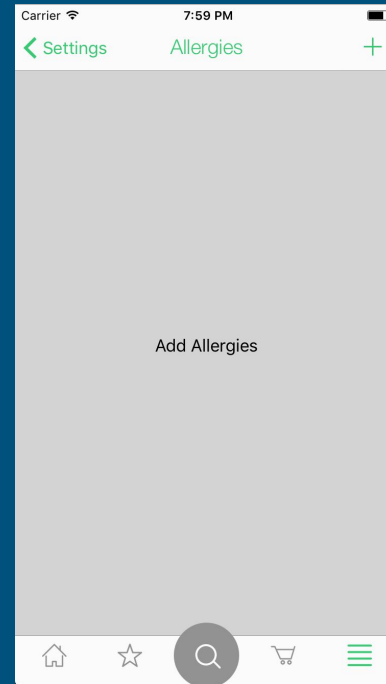
The settings page shows the username and profile picture that you have chosen from your library. You can change the image by clicking on the user cell. Restrictions allows you to add Allergies and Diets to your profile.

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Screenshots:



Diets allows the app to only search for recipes that follow the diet that you have chosen.



Allergies allows you to add allergies as a restriction for your recipe search. These allergies will allow the app to exclude all recipes that have the allergies that have been inputted on this view.



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Demo!

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Questions & Answers