PlateList Hi-Fi Milestone

Wen Sun, Gene Oetomo, Omar R., Kyle Qian

Value Proposition

We remove the barriers that keep you from cooking for yourself.

The Problem

When trying to cook, people encounter many small obstacles:

they have to buy groceries,

they have to plan their meals in advance,

they have to find recipes.

Our Solution

Motivate people to cook for themselves

- keep a "platelist" of recipes you like
- plan your meals for the week from that list
- order the ingredients you need for the week

Overview

- HE results

- Revised design

- Prototype design and progress

HE Results

- General
  - Recall/Recognition
    - Swiping to get started
  - Aesthetics/Minimalist Design
    - Pictures don't have labels
    - Some labels are too small
  - Help/documentation
  - Prone to a lot of errors

HE Results

- Search
  - Recognition/Recall
    - Swipe to start
    - The emphasis on the "advanced search" overshadows the more important, normal "search"
- PlateLists
  - Error Prevention
    - Delete confirmation/undo
  - Visibility of System Status
    - After adding something to the Platelist, the user doesn't know if it was actually added

HE Results

- Calendar
  - Usability & Control
    - Meal options are too limiting
    - Not much control to change the a meal in the shuffled calendar
  - Error prevention
    - No way to recover from accidental shuffle
  - Help & Documentation
    - The functions of the calendar are pretty abstract so there are some confusing aspects to the usability of this page

Revised Design

- General
  - Removed the swipe start screen
  - Added labels to pictures
  - Accommodated font sizes
  - Added more documentation
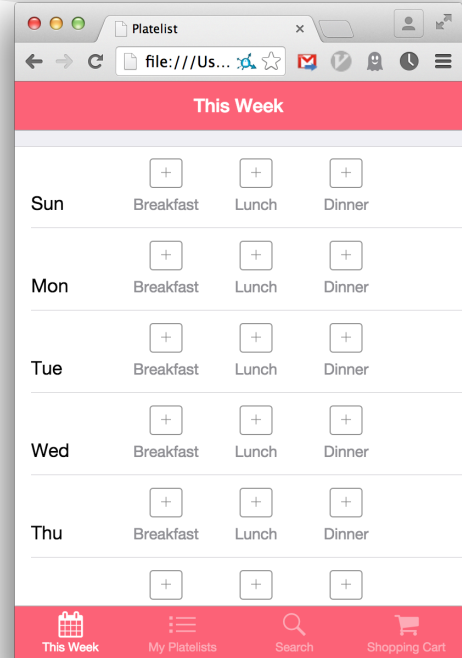 - Added confirmations

Revised Design

- Search
  - Removed the swipe to start
  - Rebalanced the advanced search and basic search
- PlateLists
  - Delete confirmation/undo
  - Add an alert that the recipe was added

Revised Design

- Calendar
  - Added an "edit" mode
  - Added an option to reshuffle entire week and confirmation
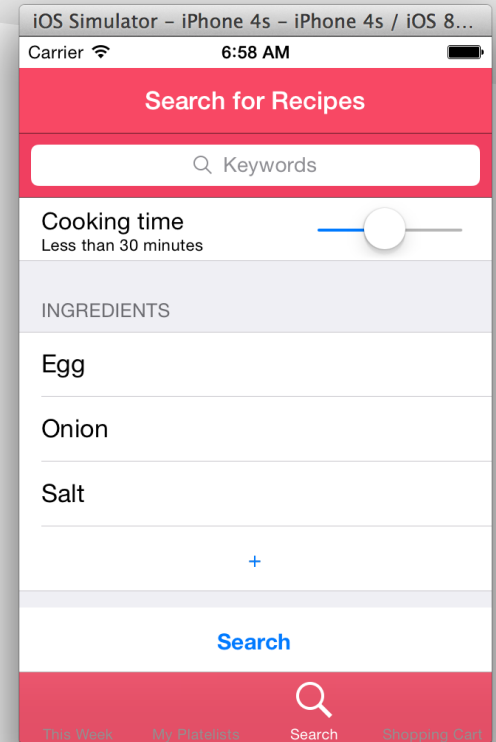 - Added more documentation

Prototype - Tools

- Web development at first, using Facebook React, ClojureScript, Ratchet template
- Way too slow, not responsive

Prototype - Tools

- Switching to native iOS
- Xcode, Swift
- Difficult to wire together, lots of overhead just to put custom images
- More diversity of layout possible

Prototype – Features

- Depends on which prototype

- Advanced search interface mostly
  implemented

- Adding, removing PlateLists

Prototype – Future Plans

- Fully move over to iOS
- Flesh out functionality and remove some dummy/placeholder data, make it editable
- Expand navigation (go backward/forward, make it possible to get to whatever screen the user wants)

Prototype - Limitations

- Mostly movement in one direction for task with dummy data

- Many screens missing

- Not possible to save state between sessions

Prototype - Issues & Questions

- How closely to make it mimic med-fi prototype? vs. platform style, aesthetic preferences
- How much functionality to implement in code?

Demonstration