

Team 8:

Software Devils

Devil Dishes Recipe Manager

Problem

- Young adults want to cook meals that are:
 - tasty
 - healthy
 - fast and simple
- But **constrained by time** and **lack of experience** due to things like:
 - schoolwork
 - jobs/internships
 - first time living alone
- They need easy to access recipes that fit these constraints -> something that is both **simple** and **good** to make

Appetite

We expect to finish the application within a month and one week (by end of quarter).

By the end of the first sprint, we plan to have the **skeleton of each page** of our website completed, a **mock database** set up, and our **CI workflow** research in progress.

By the halfway point in this time frame, we expect to be well in to **styling** the pages with CSS and **testing the connection** between the user side and our database. Our QA should also be in use and **testing our commits** every week.

Limitations:

- Inability to implement additional features beyond the scope of the basics.
 - Stretch goals

Solution Part 1

Time Problem:

- **Personalized home page** (user repository) of their own recipes (quick to look up favorite meals)
- Provide **repository of easy recipes** that do not take a lot of prep/cooking time
- Include filtering by **tags** (quick and easy to find dish to cook)
- **Built-in timer** (reduces time it takes to flip between different apps)



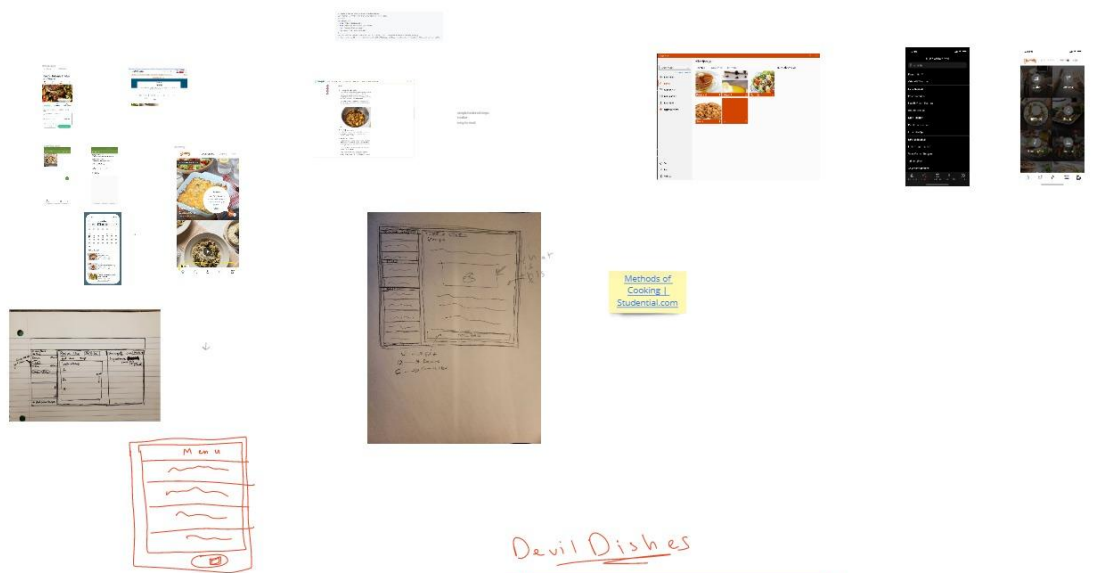
Solution Part 2

Inexperience:

- **Explore page** recipe repository (user can discover new dishes)
- Use **tooltip links** to explain more advanced cooking methods
- Gear towards beginner-friendly recipes



Our Research:



Edamam - Eat better!

Good Recipe API for desktop

edamam-api: Docs, Tutorials, Reviews | Openbase

spoonacular api: Docs, Tutorials, Reviews | Openbase

Devil Dishes

Navigation Menu					
Category	Next Menu	Next Menu	Next Menu	Next Menu	Next Menu
TASTY	Next Menu	Next Menu	Next Menu	Next Menu	Next Menu
Next Menu	Next Menu	Next Menu	Next Menu	Next Menu	Next Menu
Next Menu	Next Menu	Next Menu	Next Menu	Next Menu	Next Menu
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Next Menu	Next Menu	Next Menu	Next Menu	Next Menu	Next Menu

6 ★★★★★ Favrites?
↳ 3 7

Shopping List:
Ing red, veg
pid cat!

Statement of Purpose

We want to provide a beginner-friendly recipe manager for young adults with cooking skills ranging from beginner to intermediate.

To appeal to our user base, our application's features will focus on guidance and convenience.



example: simple crepe a
beginner/intermediate can make :)

Risks and Rabbit Holes Part 1

- Stretch goals -> what is the technical depth and is there enough time to familiarize
 - Usability on multiple platforms (ie Desktop, mobile)
 - Implementing an ingredients picker (using data from other websites to get the best/cheapest ingredients)
- How to accommodate cooking tooltips for alternative/misspelled cooking terms for user input recipes
 - Spell checker?
 - API that satisfies needs?

Risks and Rabbit Holes Part 2

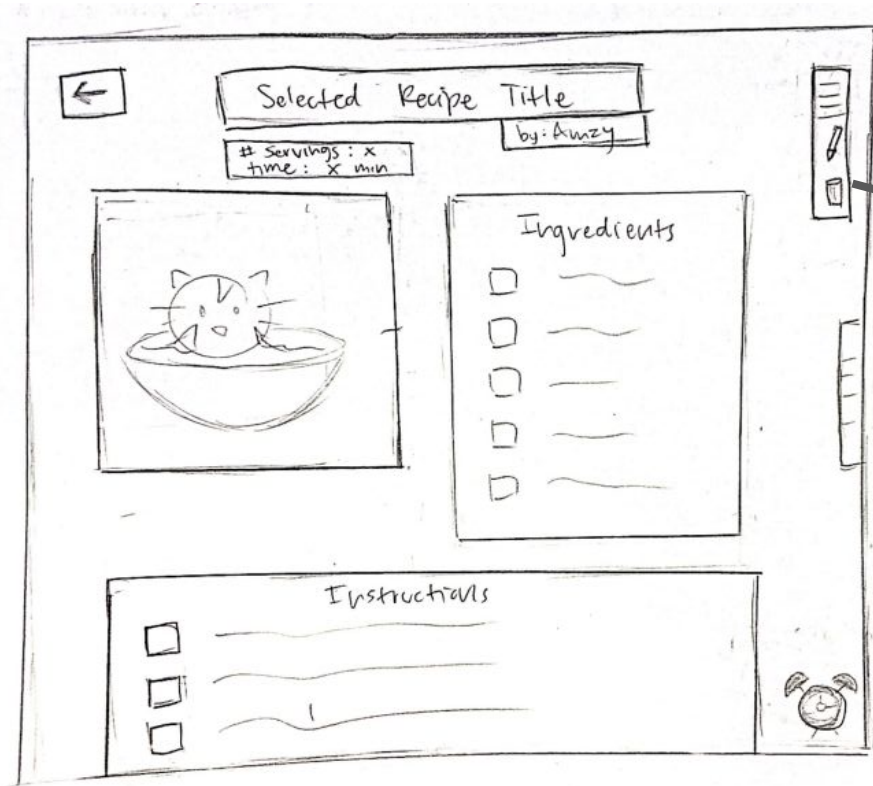
- Saving an existing recipe from other websites
 - Data conversions?
 - What websites to focus on scraping?
- Sharing recipes -> how difficult is it to create network between users
 - Create multiple accounts with secure passwords
 - Using the right networking system (third party, or from scratch?)
 - Creating communities within the app (similar to social media forums)

Tech Stack

- Apart from using the basic **HTML**, **CSS**, and **JS**, we plan on using **MongoDB** as our database.
- Fill database with data sourced from the edamam recipe API or the spoonacular recipe api depending on which fits our scope the best
- Stretch:
 - If we end up having the time and are granted the ability to do so, we plan to have users as an extra section within the database along with user authentication via the Auth0 api.

Visual Representations Part 1

Recipe Page: View/delete



Delete Button

- Button press -> *confirmation dialog*

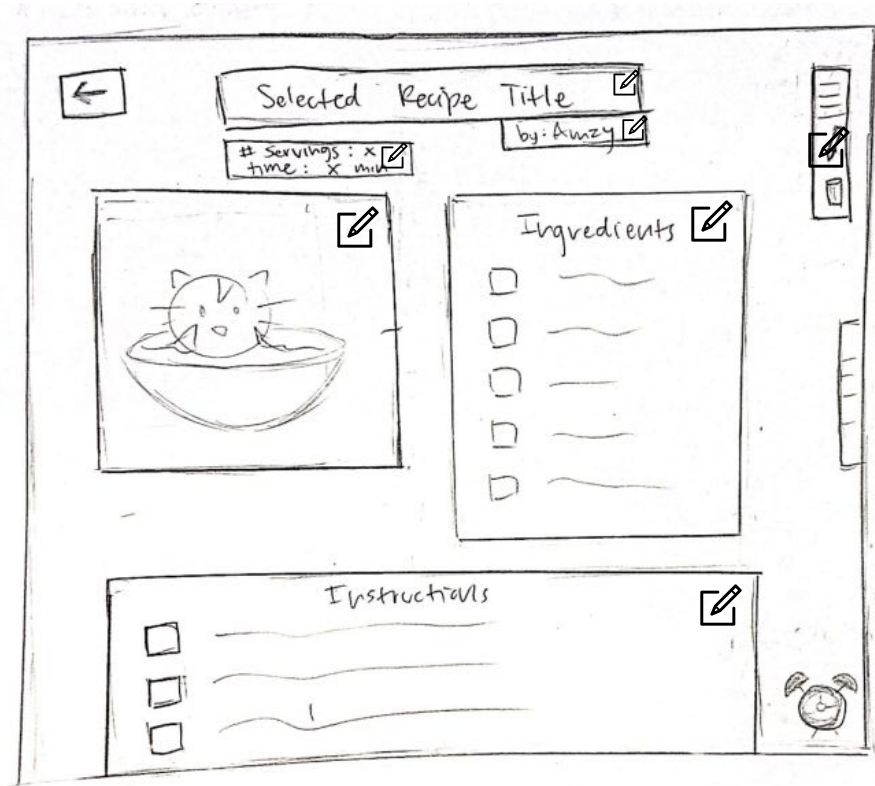
Are you sure you want to delete this recipe?

View Page

- Can access *edit, delete*

Visual Representations Part 2

Recipe Page: Create/update



Create

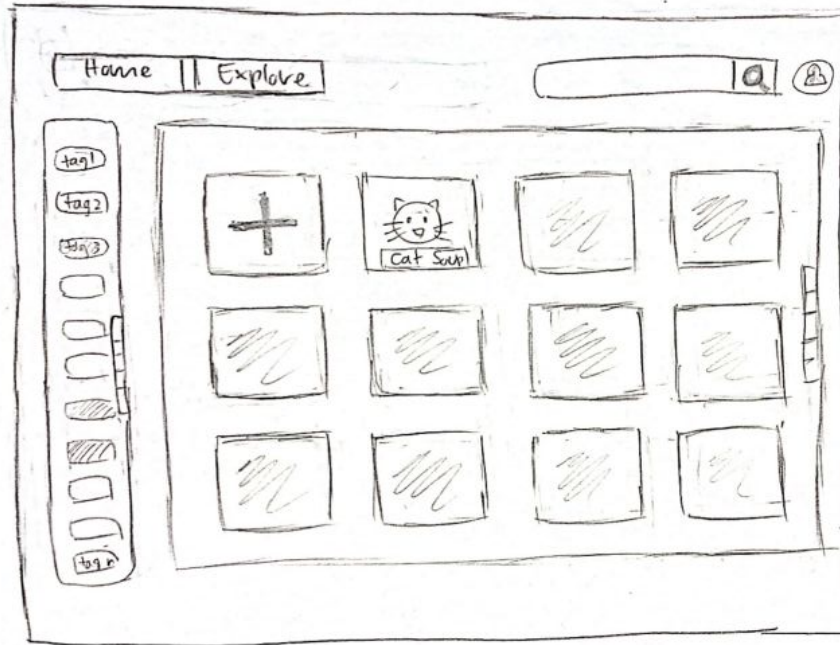
- Same as wireframe
- Template populated with mock recipe information

Update

- Same as wireframe

Visual Representations Part 3:

Home/Explore Page



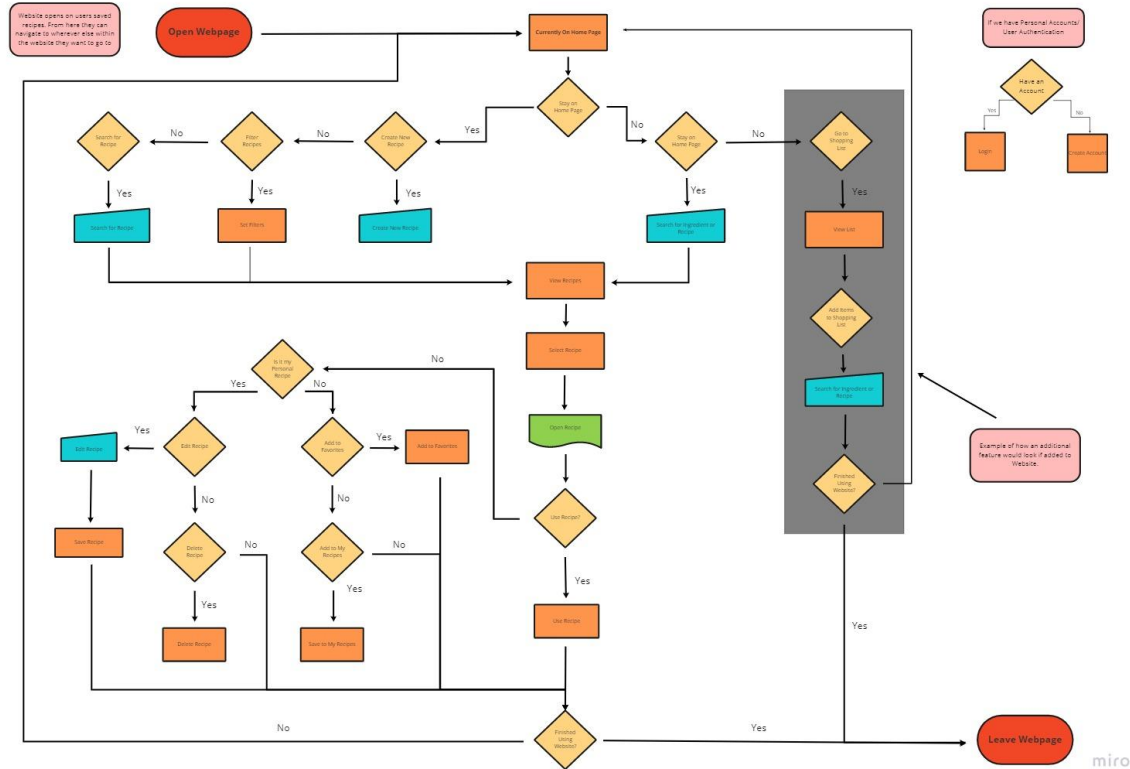
Home

- Same as wireframe
- Populated by own recipes + favorited
- Can access *view*, *create* recipe
- Has tag/search functionality

Explore

- Same as wireframe
- Populated by all recipes in order of creation
- Can access *view*
- **Cannot** access create (no + square)
- Has tag/search functionality

Initial App Flow:



User Personas



this is Bob



College student who has a bunch of upper divisions, an internship or job (potentially), and has very little time to cook something huge.

Smith is a high school student who became interested in cooking recently. He likes to try out different recipes but does not like washing dishes. "I enjoy cooking, not washing."

college student who has to stay on campus whole day, and he doesn't want to spend too much on buying lunch

college student who just starts to work out, and he wants to cook healthy meal helpful to reinforce the exercising outcome

Jessica just graduated from college and is busy with her new job. She is saving money so she decided to cook on herself. She has little time for cooking and wants to make all 3 meals for a day in one

20 y/o guy who has never cooked in his life, but has a decent budget (CalFresh)
Goals: Learn how to cook
Frustrations: not knowing anything

A culinary student who wants an app to manage all the recipes they make.

21 y/o girl who is lazy and doesn't want extra dishes
Goals: quick eats
Frustrations: dishes

high school student who has to cook for their family. They want to keep track of what recipes each of their family members like

Young parent(s) who want to cook simple things for their family.

22 y/o student-athlete, wants to eat healthy-lots of protein, not much time between class/practice
wants ready-meals that are easy to grab

College student who can never decide what to eat, wants some good food recommendations

On campus college student that relies on markets on campus.
Wants simple but tasty recipes with ingredients available from the markets on campus.

college student who is too lazy to cook everyday, and he wants to prepare meals for the week all in once

18 y/o freshman living away from home for first time. Tired of dining hall food and wants to eat tasty food but doesn't know much about cooking or spices.
Goals: simple tasty meals

Group of students living together who want to cook a big meal for everyone

22 y/o who has been eating only take out for several years. Wants to get healthy and spend less by cooking own meals.

Student who has a minimum wage job and little money to spend on food after tuition and housing fees

No-Gos

- Excluding complex recipes and cooking techniques (on Explore page)
- No comment section for recipe
- No user age verification
 - Want accessible for all beginner chefs who wish to use it, not just our target audience
 - No push notifications
- No user interface walk through
 - Expecting users are young adults who are adept at using technology