



Go-Gitters Pitch

Team 23

CSE 110

Statement of Purpose

Create a recipe management site to provide easy accessibility to quality and easy recipes at home to college students who have limited time and resources.

Appetite

We want to complete our app in 5 weeks which means that we need to first and foremost implement the basic CRUD operations and then after those we implement one feature that sets our app apart from the rest.

MVP Features

- Create: make different lists(ex. list of favorite recipes), adding recipes to list, use API to acquire recipes
- Read: search recipes in a list, search recipes on website
- Update: update recipes inside personal list
- Delete: remove recipes from list, remove created lists
- Basic tags to categorize recipes

Problem

The problem is providing easy, low cost recipes to college students in a form that is convenient and easy to use for them as they have limited time and money.

Use case: a third year at UCSD studying electrical engineering, spends 4 hrs a day at class and 3 hours studying/doing homework. He/she has limited time for cooking to 1 hour and a limited budget of \$40 per meal.

Solution

MVP Features

- Create: make different lists(ex. list of favorite recipes), adding recipes to list, use API to acquire recipes
- Read: search recipes in a list, search recipes on website
- Update: edit recipes
- Delete: remove recipes from list, remove created lists

Risks/rabbit holes

- Time constraint
 - How to address this? Simplicity - aim for implementing only the CRUD features first; if we don't have these working then we can't add anything else
- APIs
 - API downtime
 - API not returning necessary filters
 - How to address this: collect multiple APIs and understand what they provide
- Learning curve for technologies involved
 - How to address this: spend time reading documentation and playing around with code and ideas
- Direct focus towards one area and not all
 - Focusing Too Much On Mobile Or Desktop
 - How to address this: constantly check both the mobile and desktop sides of the application to make sure both render correctly and look as a user would want
- Complex/extra features which aren't necessary
 - Too many filters
 - Focusing too much on making the timer look nice
 - How to address this: same as time constraint, we don't work on anything else until the CRUD operations are implemented



User Personas

Brad:

A third year college student that spends all of his free time at the gym working on his gains.



Goals:

- Get swole
- He wants to eat healthy yet filling meals to fuel his gains.

Frustrations:

- Cooking meals is often a difficult and time consuming process for his busy lifestyle.
- He often struggles to find meals to make that will fill him up and help him meet his macronutrient needs

Allison:

A second year college student who enjoys cooking as a hobby.



Goals:

- Learn new recipes
- Have fun while cooking

Frustrations:

- She always makes a mess on her device while trying to scroll through instructions on other recipe sites.
- Struggles to find the right recipes that fit her dietary needs

User Personas

Peter Khan:

A super senior college student who learns remotely and does not like to go out often.



Goals:

- He is just getting his life together and wants to finally learn how to cook as a fifth year student.

Frustrations:

- He is uncomfortable going to stores because of Covid.
- He does not know what to make with items he has at home

Erika:

A third year college student who is a vegetarian.



Goals:

- Wants to find meals to make that will fit her lifestyle.

Frustrations:

- It is hard for her to find recipes for her vegetarian lifestyle on other recipe sites.

Team Roadmap

0. is a goal that should be maintained throughout the steps.
Numbers and letters mean priority: do 1a before 1b, if two have the same value then the order doesn't matter.

First Sprint: Weeks 5,6,7

Implement Core Features:

Week 6

- 0. Get the website to be at least usable on mobile
- 1a. Evaluate find and evaluate various APIs to determine which would work best
- 1b. Use the chosen API to get a list of recipes
- 1c. Allow the obtained list of recipes to be searched
- 2a. Design basic website interface
- 2b. Integrate the recipe lists and it's search function to display the results from a search
- 2b. Make pages for the recipes and link them to the search results

Week 7

Implement Lists, If We Have Time:

- 1. Create an list of named lists (either empty or have one empty list titled favorites in there) and store that locally.
- 2a. Add a save recipe button on the recipe page that when pressed allows you to select any of your lists in master list or create a new one.
- 2b. When a list is selected add the recipes information to that list.
- 2a. Add an options menu to the website interface (if not already done) and add a lists section.
- 2b. When the list section is selected display all the lists in the master lists.
- 2c. When a list is selected from the list display replace the display of lists with the contents of that list in term of recipe names, and potentially other relevant info or pictures about that recipe.
- 2d. Allow recipes to be removed from the list by adding a button both on the list view and on the recipe page that will remove the recipe from the list it is in.
- 2e. Add a button to the recipe page that allows the user to edit the recipe and when the user is done editing the recipe allow the user to save it like a normal recipe but have it save by default or at least display an edit recipe list.

Implement Tags, If We Have Time:

- 0. Get the website to be at least usable on mobile
- 1. Modify the search function to work with certain tags obtained from the API
- 2a. Add an options menu (if not already done) with a link to filters/tags settings
- 2b. Allow certain tags to be turned permanently set so the user doesn't have to enable them each time on the filters/tags settings page.
- 2a. Show relevant tags on the search page that when click will be enabled only for the next search.

Second Sprint: Weeks 8, 9, 10

Need To Finish Form Last Sprint Features:

Week 8

- 0. Get the website to be useable on mobile
- 1. Finish adding lists
- 2. Finish adding tags

Important Features:

Week 8-9

- 0. Get the website to work well on mobile
- 1a. On mobile add a button on the recipe that takes you to tap mode
- 1b. Once in tap mode largely display only one step and the exit tap mode button
- 1c. If the exit tap mode button is clicked leave tap mode
- 1c. If anywhere else on the screen is clicked go to the next step
- 1d. If you are at the last step and tap anywhere exit tap mode
- 2a. On the options menu add an option that converts units (metric to imperial?)
- 2b. When toggled the button will convert every displayed measurement from one to the other until toggled back and try and make them even-ish; no 1.9826 oz.
- 3a. When on the display recipe page add a button to share the recipe.
- 3b. When pressed the user should be able to print and/or copy or email the link of the recipe.
- 4. On the recipe page add an option to scale the size of the dish, which should increase or decrease the number of ingredients necessary by the relevant amount.

Nice To Have Features:

- Create a timer to work with tap mode
- Consider using google accounts, maybe allow them to transfer local storage between mobile and desktop
- Link ingredients inside recipes amazon purchases
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Wireframes - Desktop

Desktop - Search Results MVP



NAME OF APP

sliders



Cheesesteak Sliders



Philly Cheesesteak Sliders



Ground Beef Philly
Cheesesteak Sliders

Desktop - Regular Mode MVP



NAME OF APP

Cheesesteak Sliders



INGREDIENTS

- ☐ 1/2 green peppers, sliced
- ☐ 1/2 yellow onion, sliced semi circles
- ☐ 3 teaspoons cornstarch
- ☐ 1/2 lb pre-cooked chilled steak, sliced very thin
- ☐ 4 corned mustards, sliced
- ☐ 3 teaspoons soy sauce
- ☐ 4 provolone cheese slices
- ☐ 2 crusty rolls, sliced or halved

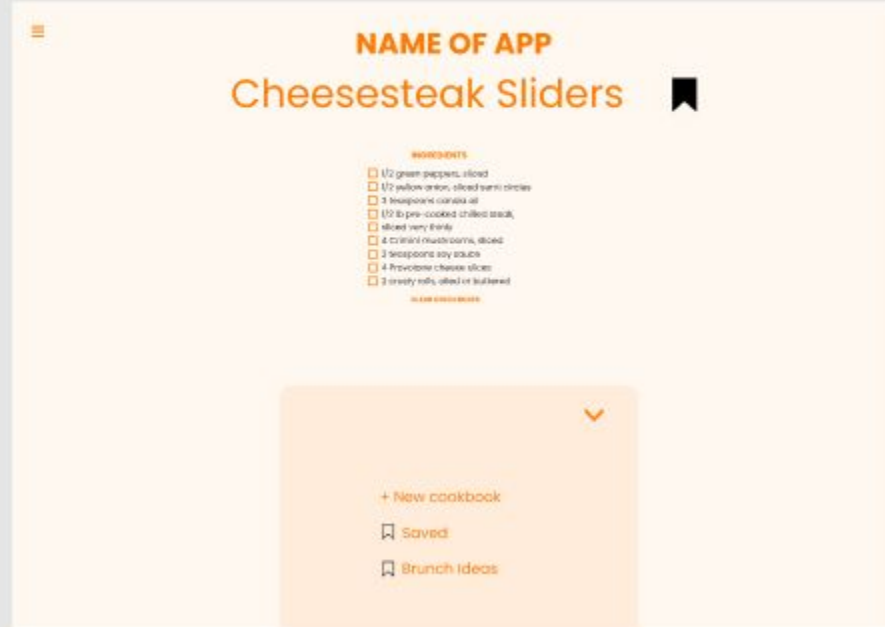
ASSEMBLY INSTRUCTIONS

PREPARATION

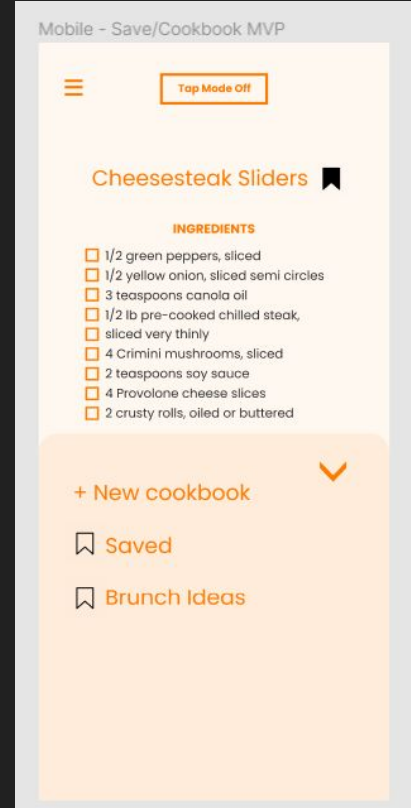
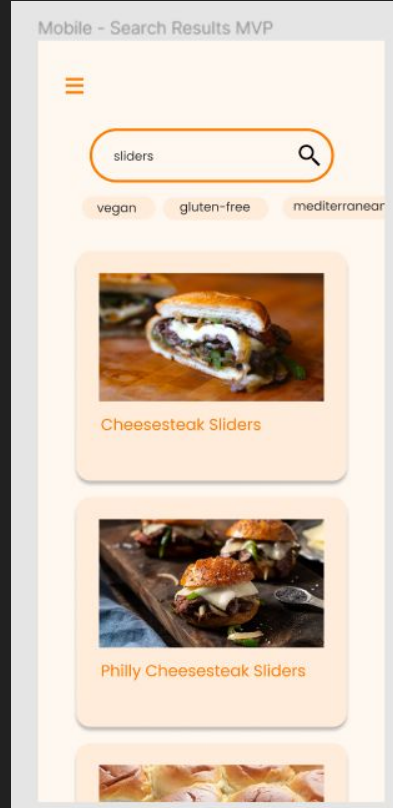
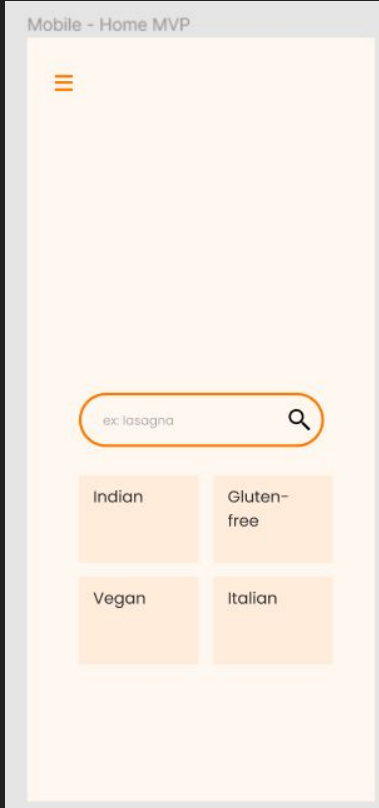
- Preheat large skillet medium-high heat, add teaspoon oil, green peppers and onions, cook 5 minutes until softened
- In separate skillet, add teaspoon oil, cook mustards 2 minutes
- Add in cooked onions, peppers and soy, cook 1 minute
- Grill your roll until golden
- In separate skillet on high heat, add teaspoon oil, reheat steak 1 minute
- Layer cheese slices on top of steak, cook 30 seconds
- Roll, roll, veggies, steak, cheese, veggies and eat!

Wireframes - Desktop

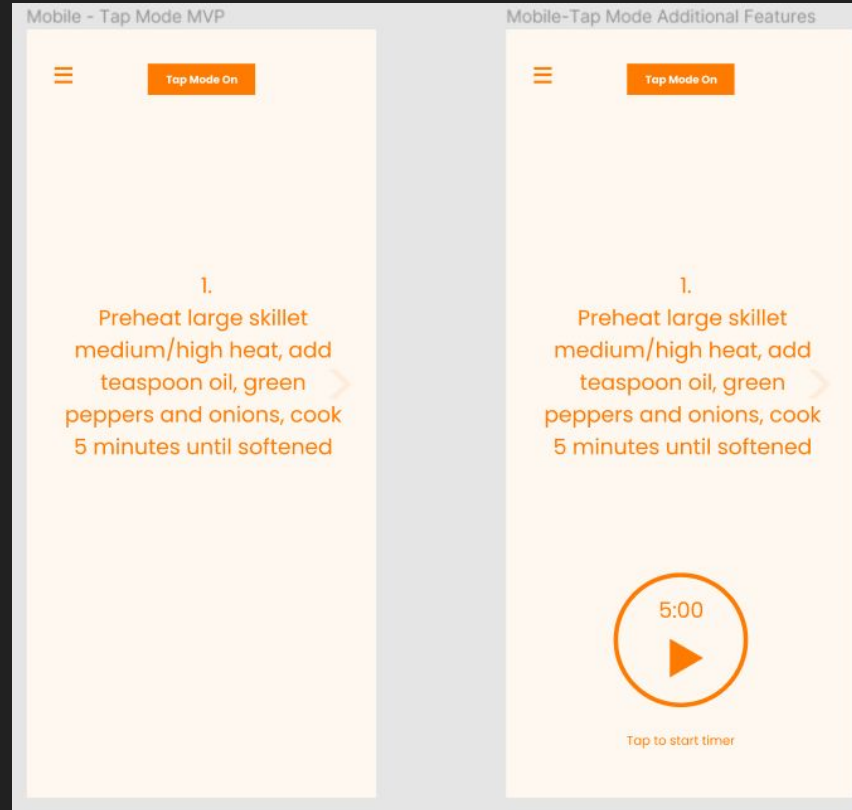
Desktop - Save/Cookbook MVP



Wireframes - Mobile



Wireframes - Mobile



UML Diagram/System Diagram

