



Group 21 Project Pitch



Research

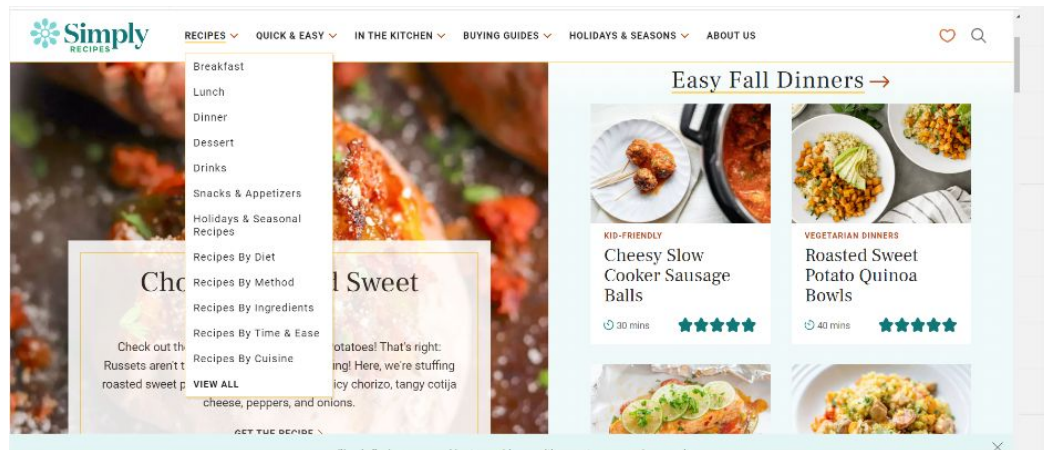


Pictures for ingredients are an important factor



- + Many recipes start with description/history, we should get to the point!

Diverse Recipe Categories, more than simply Breakfast, Lunch, and Dinner



- + Pro-tips are very helpful, but ours should not be at the very end of the recipe!

Easier to save money and to Remember which ingredients to buy

Allow Users to plan meals easier with organized, simplified platform

Statement of Purpose

Main Purpose

Browsing, Managing Recipes

Managing

Lists

Favorite Recipe List

Weekly Plan List

Grocery Shopping List

Browsing

Categories

Allergies

Ingredient

Cost

Time of Day

Information for each Recipe

Ingredients

Cooking Time

Tools Needed

Cooking Steps

Cost, Nutrition,
Diet, Allergy

Tips, Description

Product and User Description

Who: College Students and 20s

What: Recipe Displayer

When: Shopping, Cooking, or Looking for Food

Where: At the supermarket or in the kitchen

Why: Learn how to cook, low on funds, looking for alternatives, and trying to keep healthy

How: Simple, Clean, Straightforward design

User Personas



- **College Student**

- Busy, not much time to cook
- Limited budget, limited cooking spaces

- **Meal Prepper**

- Cooking as a utility-focused activity
- Large quantities of easily-stored food

- **Just Started Cooking**

- Follows recipes very closely
- Focuses on easier dishes, like Pasta

- **Calorie Counter**

- Hyper aware of calorie content in food
- Prioritizes low calorie foods

- **Cooking for Family**

- Homemaker, cooks for family members
- Cooks multiple different dishes each day

- **Young Professional**

- Sometimes cooks like a Meal Prepper
- Capable of cooking more challenging meals

- **Roommate Groups**

- Cooks for roommates or self
- Recipes are easily scalable regarding quantity

- **Fitness Buff**

- Hyper aware of nutritional content in food
- Prioritizes high or low calorie foods

User Personas to User Stories



College
Student

Meal
Prepper

Just
Started
Cooking

Calorie
Counter

Cooking
for
Family

Young
Professional

Fitness
Buff

Roommate
Groups



I want to know the
nutritional content of my
meal

I want to know how much
my recipe will cost me

I want to know how hard
the recipe is to make.

I want to know how long it
will take to make the recipe

I want to know what
appliances/tools I would
need to make food.

I want to be able to budget
for the week.

I want to be aware of
potential allergens, in case
that I cook for friends.

I want to be able to cook
'hands free' so recipe steps
are highlighted/enlarged
and easily tap screen to go
to next step

I want to have a
personalized experience,
i.e. my own account

Features

"Cooking Mode"
where each step
takes up the entire
screen when
cooking. Tap side of
screen to go
back/forward

Simple
Steps,
Large Text

Timer

"Shopping List"
where we can collect
the ingredients from
the API to
automatically create
a shopping list for
the user to use

Shopping
List
Creator

Checklist for
Ingredients
and Steps that
have been
completed

Modify
Ingredients
for Shopping
List

Average
Total Cost
Calculator

Nutritional
Content
Calculator

Basic Info
(Ingredients,
Steps, Time,
Tools Pictures)

Filter, Sort,
Search
Functionalities

Favorites
List
Creator

Cooking
Mode

*Develop for
both Web &
Mobile
Friendly!

Project Road Map

Sprint 1
Week 6 & 7

Sprint 1
Week 7

Sprint 2
Week 8 & 9

Sprint 3
Week 10 & Finals

Fetch Data (API)

1. Fetch Info from Spoonacular
Store Info into a List:
1. Cooking Steps, Cooking Time, Cost, Images, Nutritional Information, Dietary Information, Tags, etc.

2. Create Recipe Cards
Carefully hand pick which information should be shown on the card.
(Like the recipe cards from the lab, i.e. show the time, name of recipe, etc.).

3. Displaying Recipe's Information onto New Page
Happens after we click on the recipe card. It will show ALL the necessary information for a recipe.

Filtering & Sorting

1. Choose Categories/Information to Sort
Sorting by cost, time, nutritional information, etc.

2. Searching with Category
Able to click certain tags, and only display recipes that have all those tags.
Filtering by items that only cost a certain amount, certain cuisine, certain time to cook, certain ingredients, etc.

Favorite Recipe List

1. Store Favorite Recipes into Local Storage as a List
Maybe just have some sort of a Boolean as a way to tell if it's a favorite or just add the specific recipe to a list data structure of favorites.

2. Display Icon to Show Favorite List
Need a display for the favorites list and an indication that it's a favorite recipe when showing the recipe.

Cooking Mode

1. Take the Instructions from a Recipe to Display
Each step is shown on the entire screen.

Grocery Shopping List

1. Add Recipe's Ingredients into One Shopping List
Show all, but you can check/uncheck recipes listed above to show/hide corresponding ingredients.

2. Modify Ingredients for Shopping List
User can add/delete/modify shopping list.

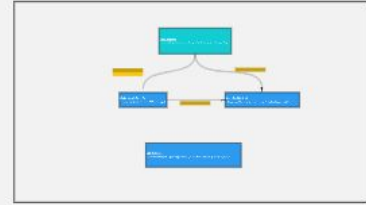
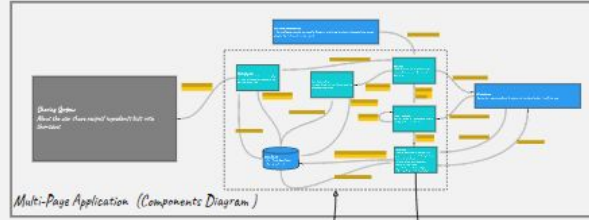
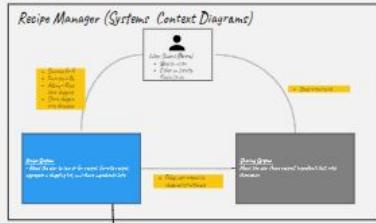
3. Average Cost Calculator
Show total cost of ingredients in the shopping list.

Nutritional Content Calculator

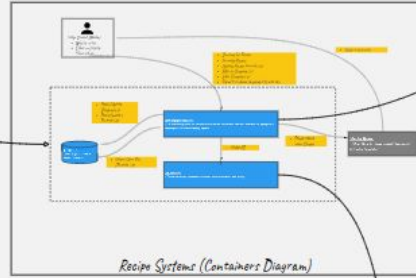
1. Compile and compute the different categories of nutritional information
Display the nutritional information of a recipe onto a dashboard/page for nutritional information of a meal.

Testings & Wrapping up

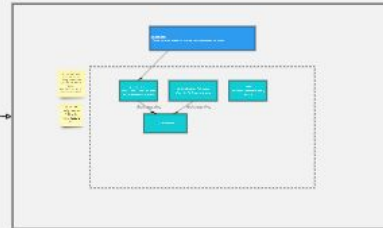
Recipe Manager (C4 Model)



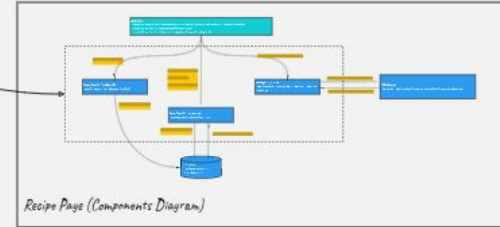
ZOOM IN



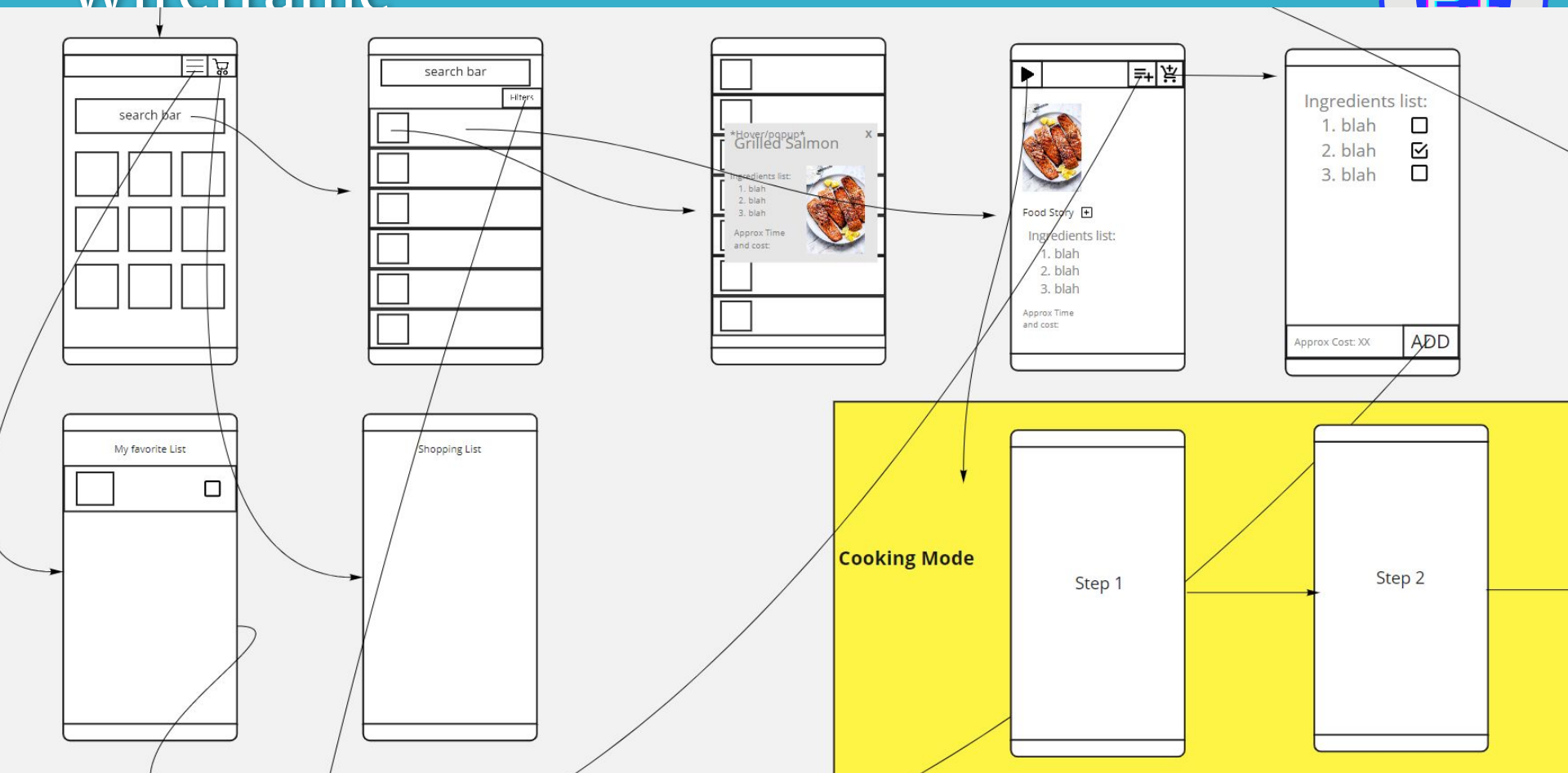
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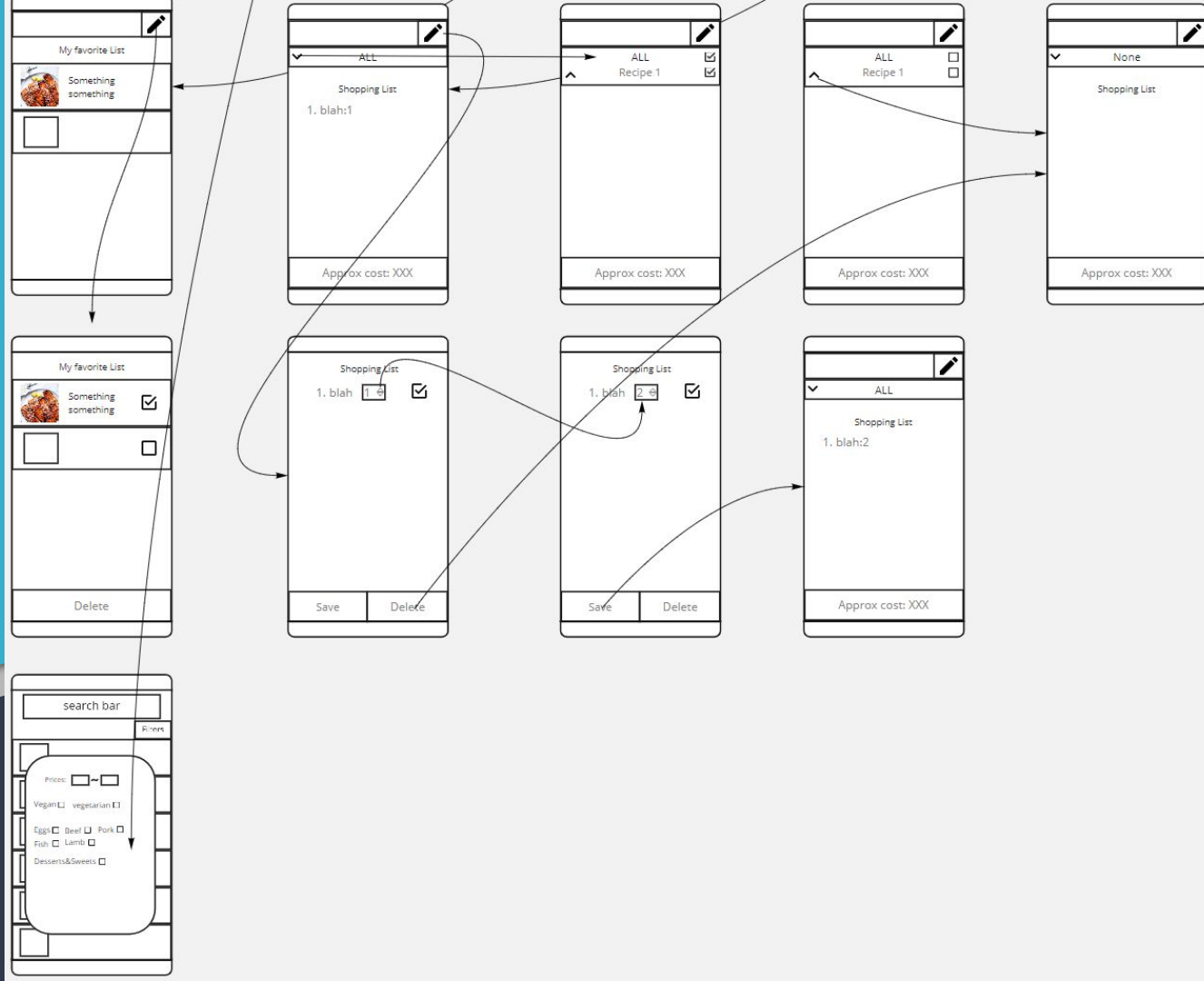
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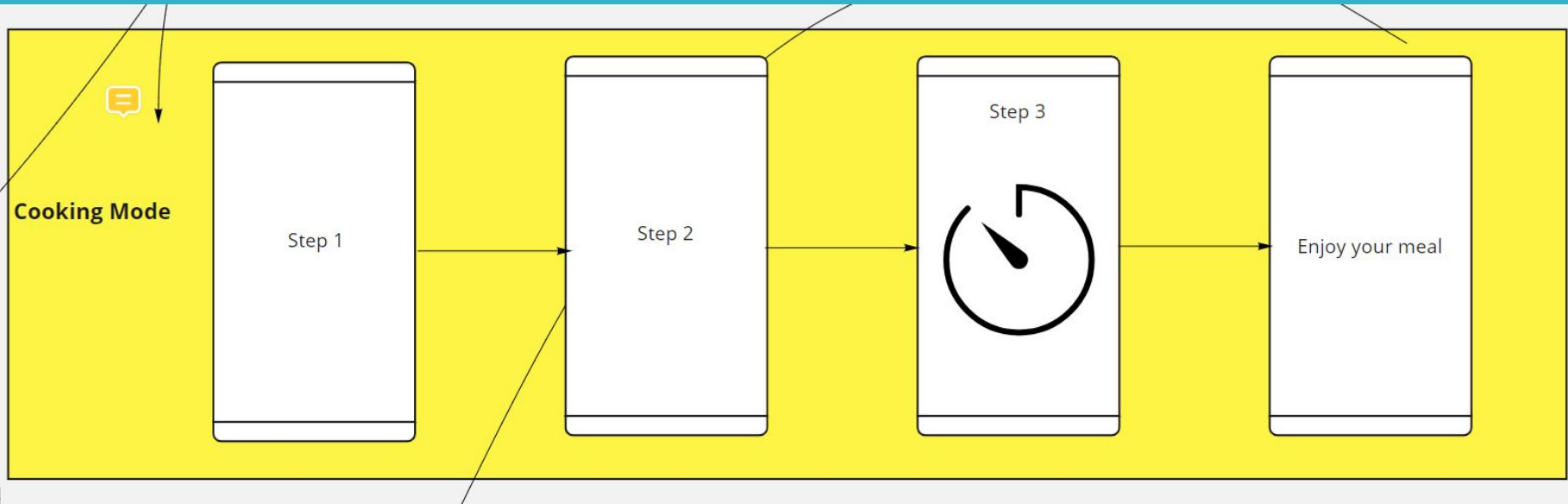
Wireframe



Wireframe



Core Feature: Cooking Mode





Risks and Rabbit Holes

- Importance put upon being mobile friendly, how hard is it? (There are many images)
- Any potential problems using local storage for favorite & grocery list?
- Difficulty of putting an interactive timer at each cooking step? (Reading the text automatically, making the Time pause, resume, Reset)
- Any barriers when using Spoonacular API?
- Difficulty/Possibility of implementing our “Cooking Mode”?
- How would “Cooking Mode” differ on desktop and mobile?