



# HE11'S KITCHEN

**Statement of Purpose:** Our recipe app will mainly target an audience of people who do not have much time on their hands to cook or are new to cooking. We want users to be able to easily navigate a simple and minimalistic website for optimal user experience.

Timeline	Week 6 (11/1 - 11/7)	Week 7 (11/8 - 11/13)	Week 8 (11/14 - 11/21)	Week 9 (11/22 - 11/28)	Week 10 (11/29 - 12/5)	Final Project Presentation (12/10)
Plan/Design	(11/1) Finalize Wireframe		Mode Switching Feature		Minimalism Check	
Develop	<b>(11/7) Database Setup</b> <ul style="list-style-type: none"> <li>• MongoDB Account and Clusters Created</li> <li>• API Retrieval</li> </ul>	<b>(11/13) User Logistics</b> <ul style="list-style-type: none"> <li>• Login/Personal Settings Page Setup</li> </ul>	<b>Additional Features</b> <ul style="list-style-type: none"> <li>• social media</li> <li>• ratings/reviews</li> </ul>	<b>(11/27) Finalize Additional Features</b>		
Develop	<b>(11/7) Github Environment (HTML, CSS, JS) Setup</b>	<b>(11/13) Main Page/Search Features</b> Load Recipe Page	<b>Additional Features</b> <ul style="list-style-type: none"> <li>• filter search</li> <li>• accessibility</li> </ul>	<b>(11/27) Finalize Additional Features</b>		
Testing		<b>(11/14) TESTING #1</b> <ul style="list-style-type: none"> <li>• before 1st Sprint Review</li> </ul> <b>Load recipes User Logistics</b> (login/registration/personalization)	<b>(11/21) TESTING #2</b>  <b>Advanced Search</b> (filter, etc)		<b>(11/30) TESTING #3</b>  <b>Additional Features</b> <ul style="list-style-type: none"> <li>• social media/sharing</li> <li>• add ratings/reviews/view user info</li> <li>• accessibility</li> </ul>	
Launch/Class Deadlines	(11/1) - starting pitch		(11/15) - <ul style="list-style-type: none"> <li>• CI/CD pipelines Checkpoint 1</li> <li>• Sprint Review Meeting #2</li> </ul>	(11/24) - Team Interim Reviews	(11/30) <ul style="list-style-type: none"> <li>• CI/CD pipelines Checkpoint 2</li> <li>• Sprint Review Meeting #2</li> </ul>	(12/10) <ul style="list-style-type: none"> <li>• documentation</li> <li>• final video submission</li> <li>• project evaluations</li> </ul>

# User Personas



Name: Riley Bernard

Bio: 29 year old single mother of two. Commutes 30 minutes each way to her job at an accounting firm. Enjoys reading, yoga, going to coffee shops, engaging in the PTA program at her kids' school and hanging out with the other moms at playdates.

## Goals

- Being able to feed her family and reduce the amount of money spent on take out food
- Managing her time between work and spending time at home
- Having more leisure time for herself

## Frustrations

- Being a single mother while working and the difficulties in having to provide for and care for her children
- Not having enough free time in between commuting to her full time job and being a full time mother of two



Name: Derek Shropshire

Bio: 22 year old 4th year student at UCSD double majoring in Cognitive Science and History. Enjoys playing League of Legends and doesn't have time for anything else outside of that and school

## Goals

- Survive through all of his exams and classes to make it to graduation
- Have a healthier diet that consists of more than just instant ramen and hot pockets
- Make some time out of whatever little free time he has to cook and take care of his physical wellbeing

## Frustrations

- Has very little time for anything other than studying
- Has no time to shop for groceries or prepare meals
- Only has a small ingredient selection at hand
- Mostly eats microwavable meals

# User Stories

## User Story 1:

As a college student  
I want to quickly find a recipe with ingredients I already have  
So that I spend as little mental effort and time on it as possible

### Acceptance Criteria:

Given an exhausted student  
When they open the page  
They can search recipes with their ingredients and sort by shortest total cooking time and immediately find something they can make that doesn't take much time

## User Story 2:

As someone with many allergies and dietary restrictions  
I want to find only recipes that don't contain said restricted ingredients  
So that I don't end up spending time looking at recipes that I can't eat

### Acceptance Criteria:

Given someone with dietary restrictions  
When they search for recipes  
Recipes with ingredients that violate said restrictions will automatically not be displayed

## User Story 3:

As someone who doesn't have a kitchen/many implements  
I want to find food to eat using only the implements I own (i.e. instapot, hotplate, etc.)  
So that I don't waste time on recipes I can't cook

### Acceptance Criteria:

Given someone with limited cooking materials/resources  
When they search for recipes  
They can filter recipes that they're able to make with their limited implements

## User Story 4:

As a grandparent who cooks a large variety of recipes  
I want to be able to store labelled collections of recipes for future reference  
So that I don't need to repeatedly search up past recipes that I enjoy

### Acceptance Criteria:

Given someone who cooks many different things regularly  
When they find a recipe they like  
They can add it to a collection and label it for future use

## User Story 5:

As a huge food snob  
I want my Very Important Opinions on the recipes I try to be expressed  
So that everybody else may read them and my ego may be assuaged

### Acceptance Criteria:

Given someone with strong opinions on food  
When they have a strong opinion on a recipe  
They can add a rating or comment

## User Story 6:

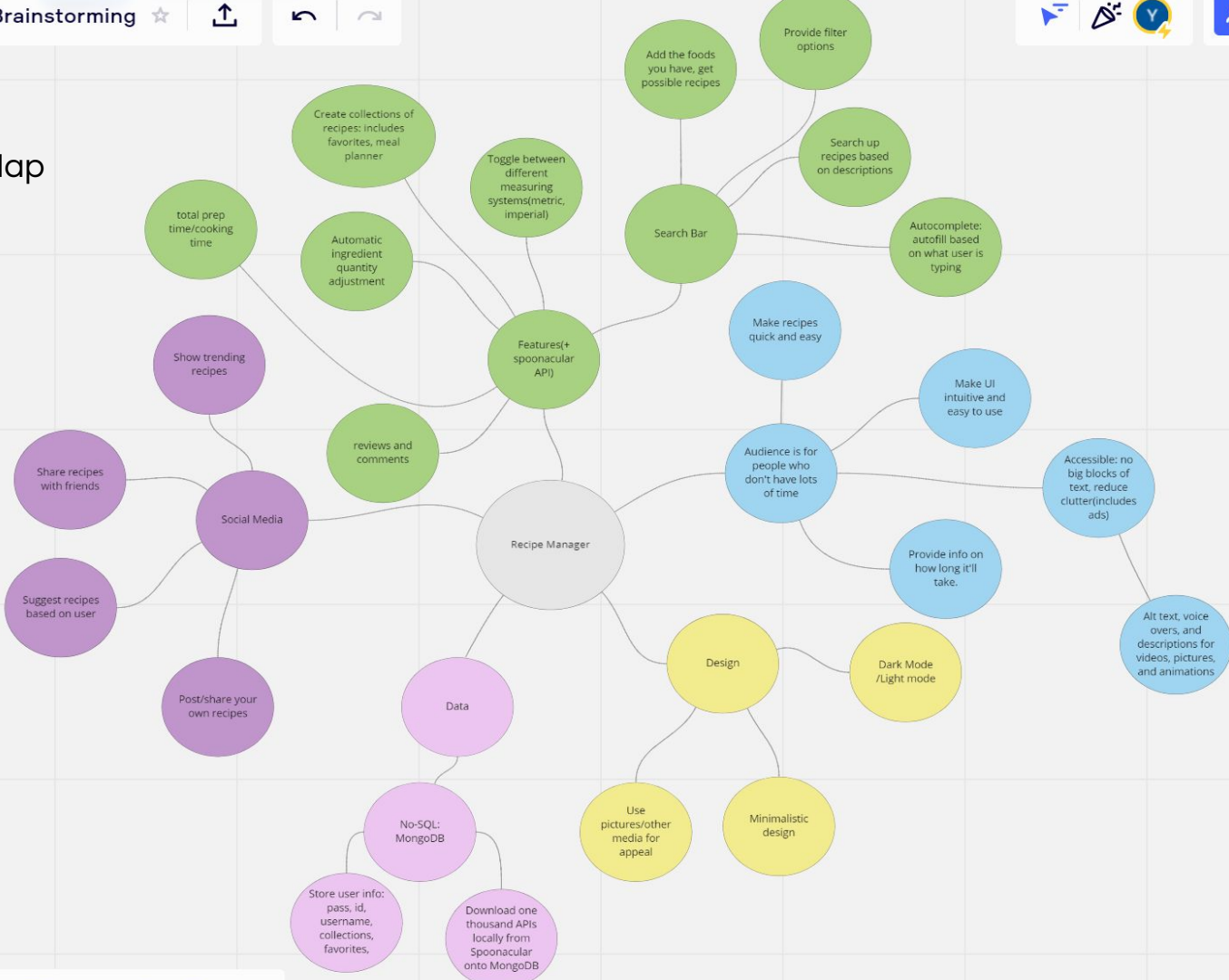
As a chef who wants to try cuisine from other cultures  
I want to be able to easily browse recipes from said cultures

So that I can broaden my palate

### Acceptance Criteria:

Given someone who wants to try new recipes  
When they want to find something new  
They can search recipes by category

## Mind Map

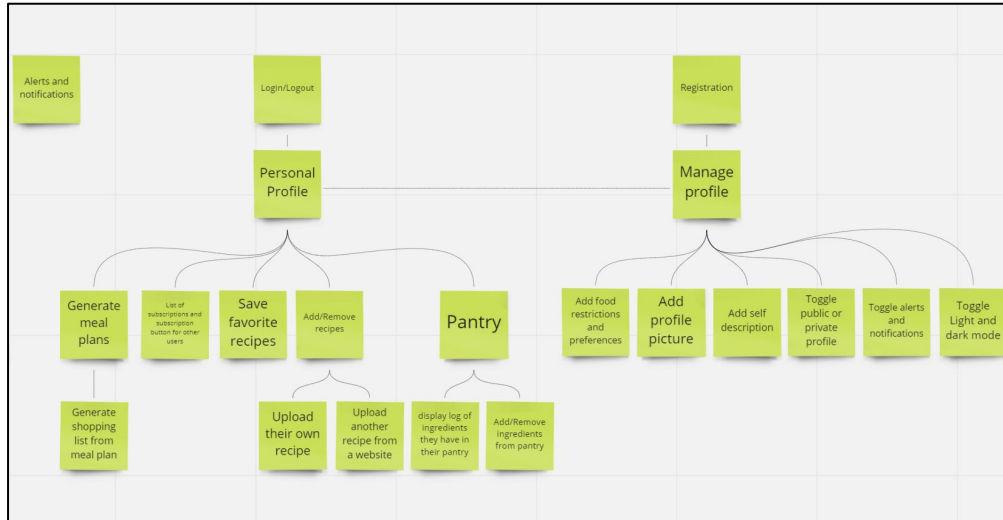
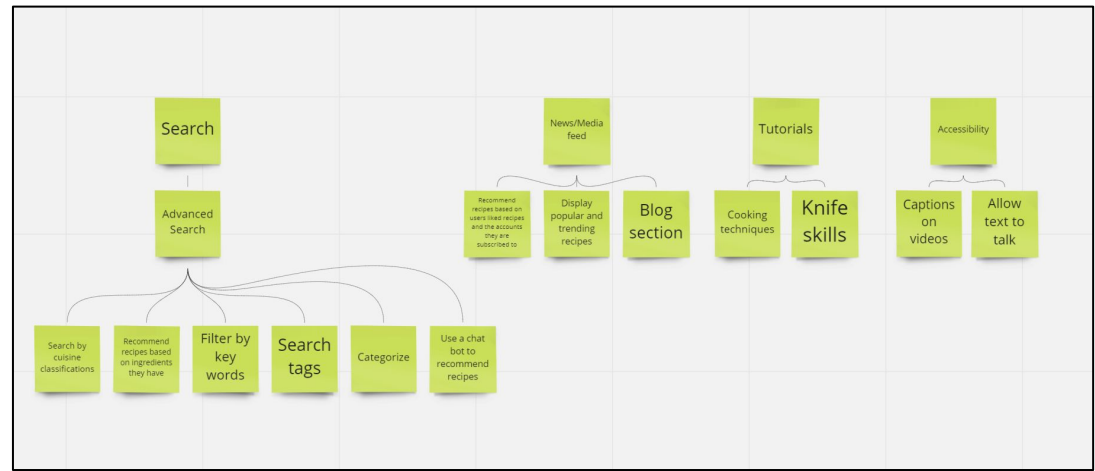
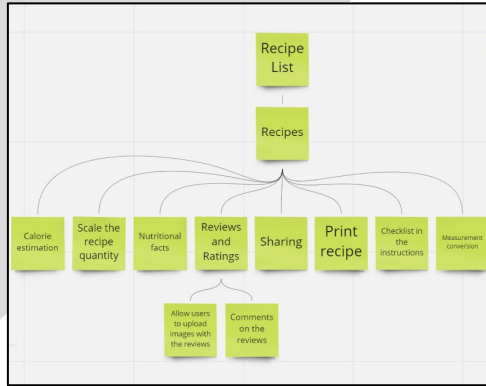


# PROBLEMS

- Recipe page with mountains of text or cluttered activity that makes it difficult for the user to navigate through or scroll.
    - Because our audience only wants access to the recipe itself and the directions, any other additional information like the paragraphs of the author's personal stories and side tracking topics will most likely leave the user feeling confused and frustrated.
  - Accessibility for a diverse audience
    - A lot of websites are not friendly to a variety of users.
    - As mentioned previously, advertisements can cause the page to reload or spazz and the user will lose their spot on screen, causing potential frustration especially if they are in the middle of cooking.
    - Videos and animations need to have alternative options for users who are not able to see the video or the animation.
- 

# SOLUTION

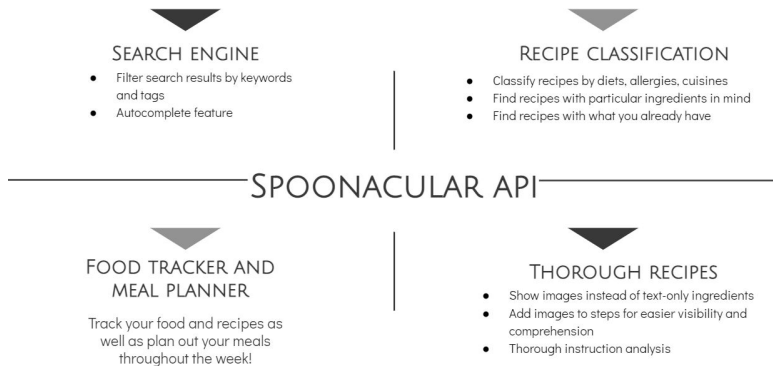
- In order to implement a simple website that is easy to navigate, we need to put in effort to reduce pop ups, advertisements, text blocks that are not part of the recipes instructions, and overall cluttered activity that can overwhelm the user.
- Since we are geared towards beginners and people who don't have much time, we will also include a how-to and techniques category.



User management and profile



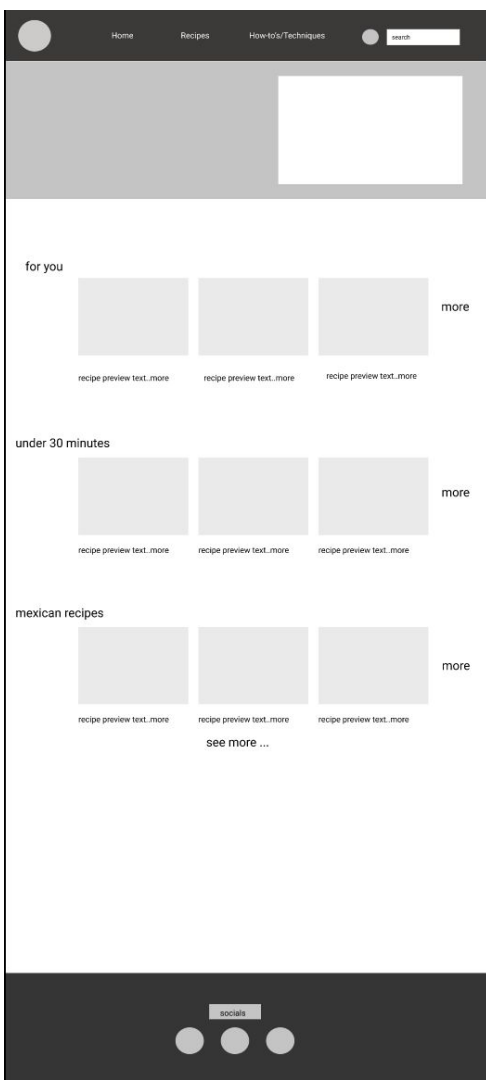
## API: How we will process our data



## Databases: How we will store our data

- We have decided on using a noSQL database, MongoDB
- We plan on loading in a thousand recipes from the API's recipe database into our MongoDB and using it for reference
- We will not load in any more than a thousand because users will not eat many meals in their lifetime and it will save space as well as reduce traffic
- MongoDB will also store information about the user like their username, password, authentication ID for differentiation, collections, favorites, reviews, history, etc.





# HOW IT WILL LOOK LIKE

- Only a few tabs at the top that will not overwhelm the user
- It will have a clearly visible search bar, and we plan to keep the top bar available to the user at all times even when scrolling down
- The circle is the user's profile, and the page will include a general hero image with a featured top recipe that may interest the user
- It gets straight to the point by showing the user recipes displayed in a format of 3 recipes horizontally with a “see more” option on the side that will expand horizontally.
  - There will be an arrow that will allow the user to scroll through the horizontal bar for more recipe options.
- There will be various different categories of recipes that will be featured on the front page that will be useful to our audience like 20 minute recipes, recipes that they might like based on their history, and featured cultural recipes
- At the bottom will be the contact information for the website which will include social media platforms for communication.

# RECIPE PAGE OUTLINE

By (name here)

Total prep time: 30 minutes

serving size: 1 2 3 4 5 6 7 8

dietary restrictions: gluten-free, (auto generated from ingredients)

allergens involved

(total review stars here)  
-> takes you to actual review page

save to ...

**Ingredients**

us | metric

3 garlic cloves

1/2 cup flour

1 egg

.....

profile drop down

sign in

register

profile drop down: si...

my recipes

my collections

sign out

What appears if the user hovers over their profile picture and are logged out/do not have an account in the database, and the option on the right is what the interface looks like when the user is logged in.

username:

password:

sign up

forgot email/password

The box that appears when the user clicks on “sign in”

Create your account

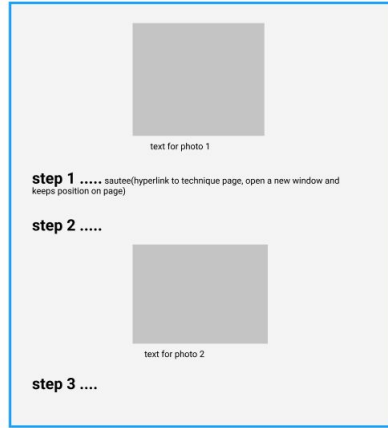
Sign Up

The box that appears when the user clicks on “sign up”

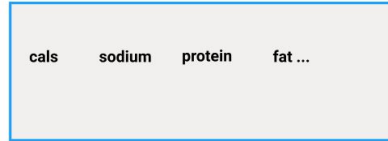
- An option that allows users to easily scale and/or adjust portion sizes for all ingredients
- Switch from the metric to imperial system at ease.
- Recipe page will include name, prep time, dietary restrictions, allergens, and total review stars at the top so the user can automatically see it when they load the page

# RECIPES CONTINUED

## Tutorial



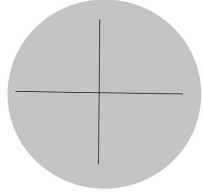
## Nutrition facts(api ?)



## Comments/reviews



- Auto-generated hyperlinks within the text directly to the technique section so that users can easily learn on the fly if they're unfamiliar with a certain technique
  - e.g. "What's a rolling boil?" "What does it mean to saute something?"
- The app will also keep track of page position to ensure users don't need to backtrack and scroll extensively to find their previous place
- Cool videos and animations should be transcribed, captions, and a basic voice-over + a text version that should be equally informative.
- For photos, we should fill out alt-text metadata and caption them with actual informative descriptions
- Accessible via multiple sensory perspectives
  - Recipe descriptions should use all sorts of multisensory cues.
- Nutrition facts available to users who are interested in knowing more about the nutrition behind the recipe
- There will also be a section that will allow users to leave reviews and comment for credibility and for interaction
- The 1-5 star box will allow individuals to filter through reviews that left a certain rating on the recipe.



change avatar

My recipes

Favorited recipes

My collections

Settings  
personal info  
notifications  
sign out

### Recipes drop down

breakfast

lunch

dinner

dessert

snacks

appetizers

one pot meals

cuisine >

### How-to's/Technique's drop down

#### sort by

meal prep

utensil upkeep

sautee

slow cook

roasting

chopping techniques

oven

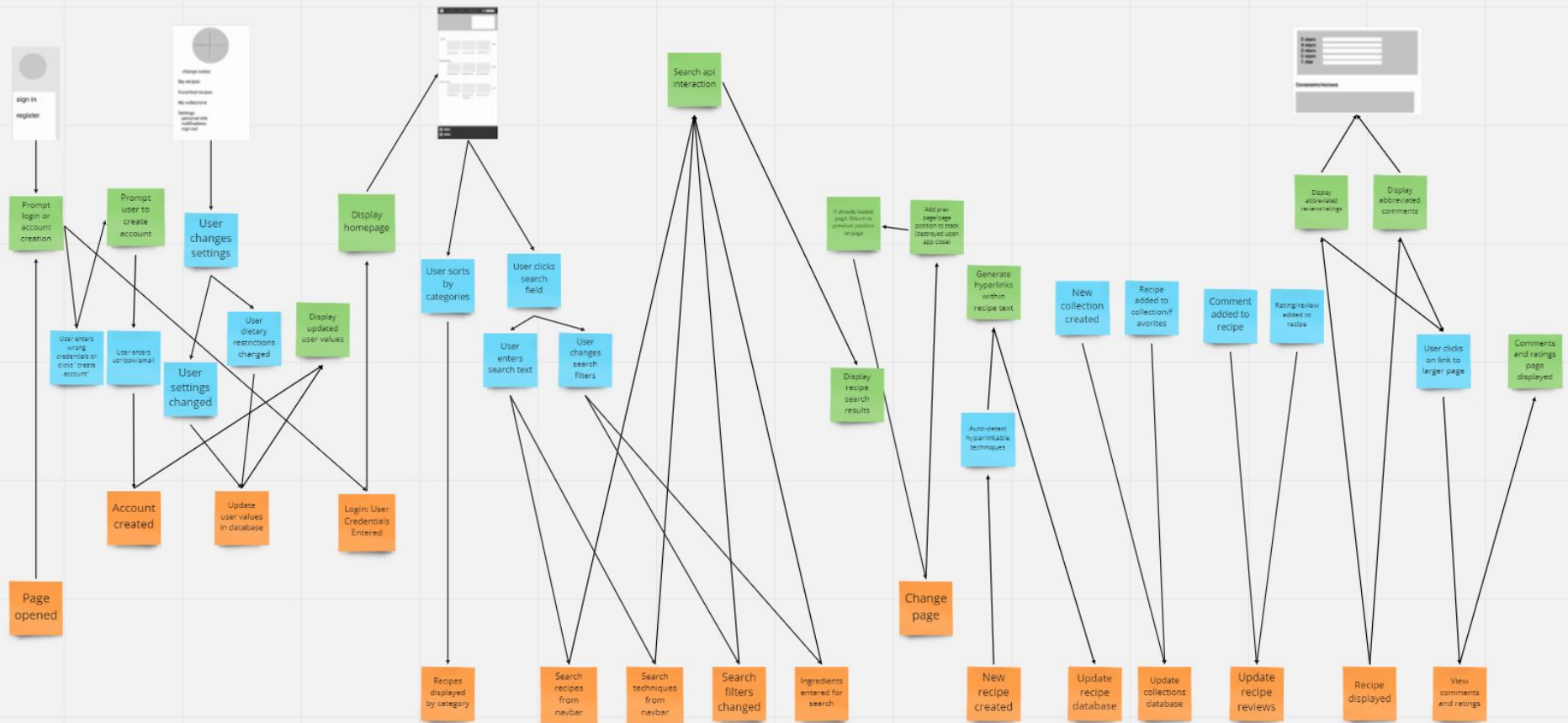
rice cooker

air fryer

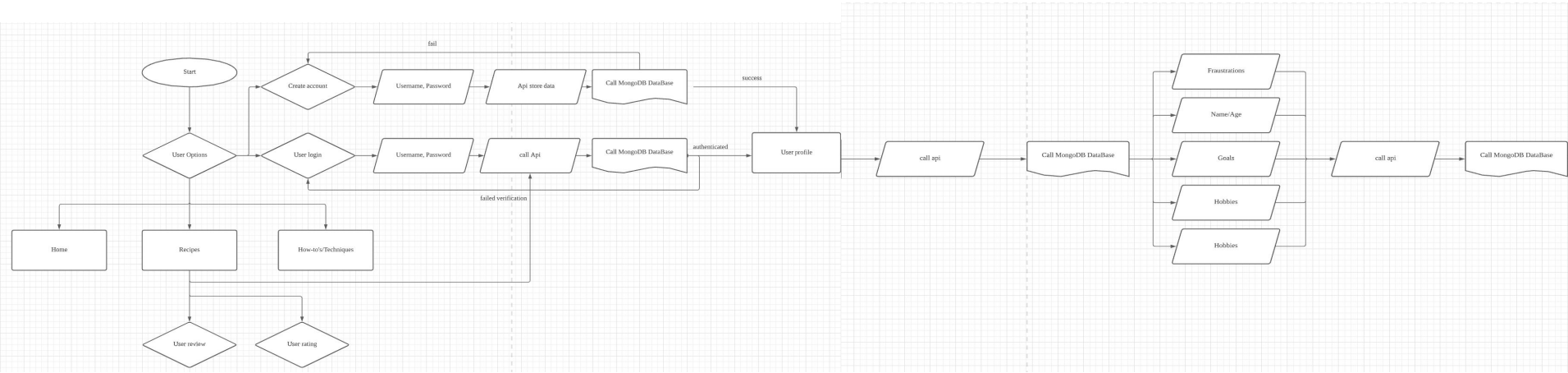
sanitation

What appears on the left when the user clicks on their profile(the circle on the top left of the nav bar)

# EVENT MODELING DIAGRAM



# INTERFACE DIAGRAM



# RABBIT HOLES

## OVERWHELMING FEATURES

- Too many features can be overwhelming for the user(think of a microwave with 100 different buttons) - also time restriction, we will prioritize recipes first, then user profiles if we have time
  - Defeats the whole purpose of our simple and minimalistic theme that adheres to our time restricted or beginner friendly audience

## USER UPLOAD CLUTTER

- If users are uploading recipes, then it might clutter our data storage
  - Opposite of what we want: to keep the amount of recipes in the database to be at one thousand.

## TOO MUCH SCROLLING

- Amount of information and text that is displayed on each recipe page can result to a lot of scrolling
- Not ideal for users who are cooking or who are short on time

## AMOUNT OF FEATURES

- We decided to not use over a thousand recipes and keep the amount of recipes at a thousand because the amount of meals an individual eats in their lifetime is limited
- Additionally, if we download too many recipes on our database, it could cause traffic which would result in a negative user experience
  - Web page could take a time to load
  - Difficult to navigate due to the amount of space the recipe app is using up for data maintenance.

## NO-GOS

## REDUCE USER FEATURES

- Scratch away some user interactivity and profile features like the option of a user being able to create a recipe in order to save time
- Make sure that we are in line with our appetite(5 weeks only), and save data storage.



# THANKS



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