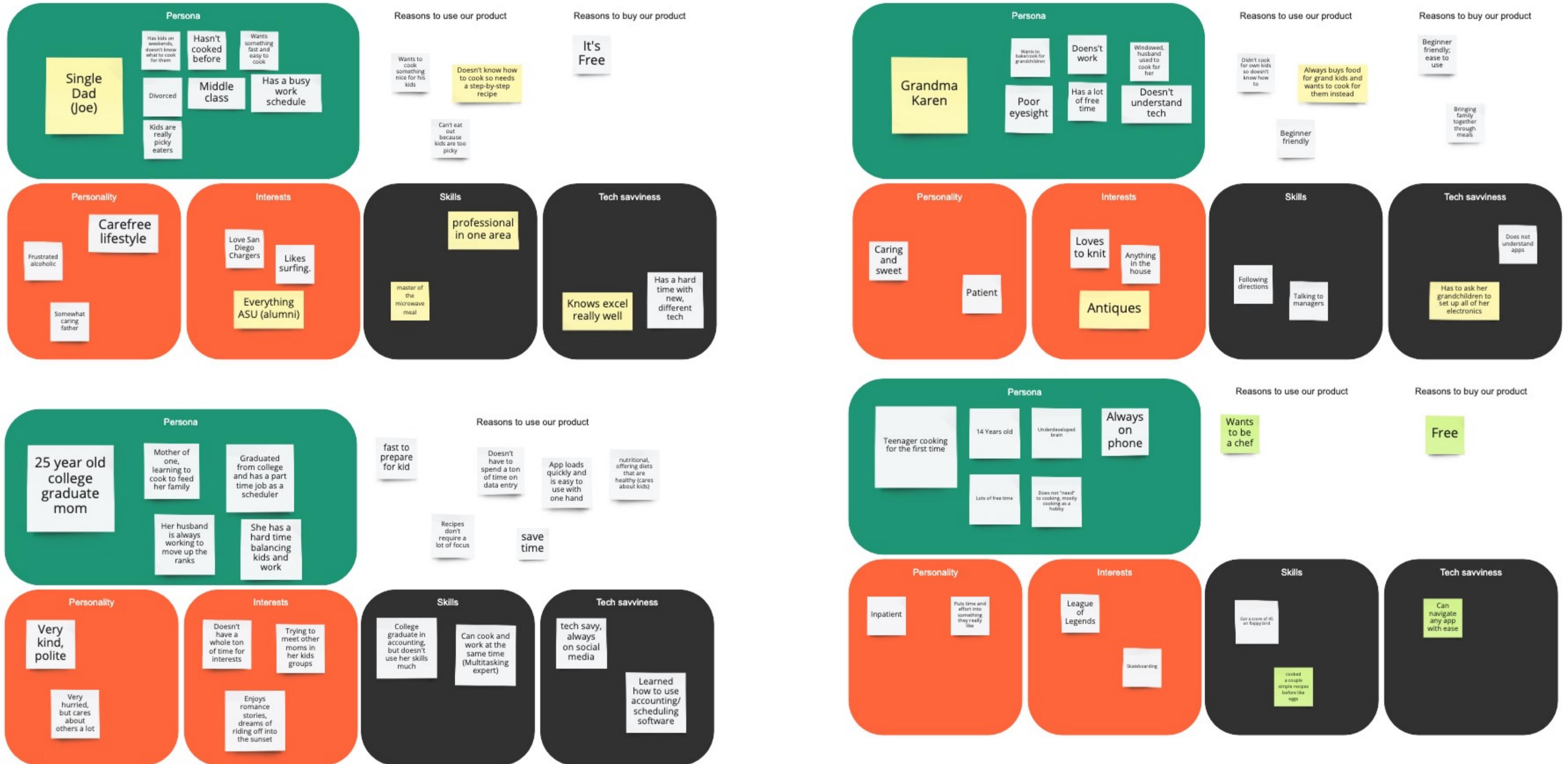
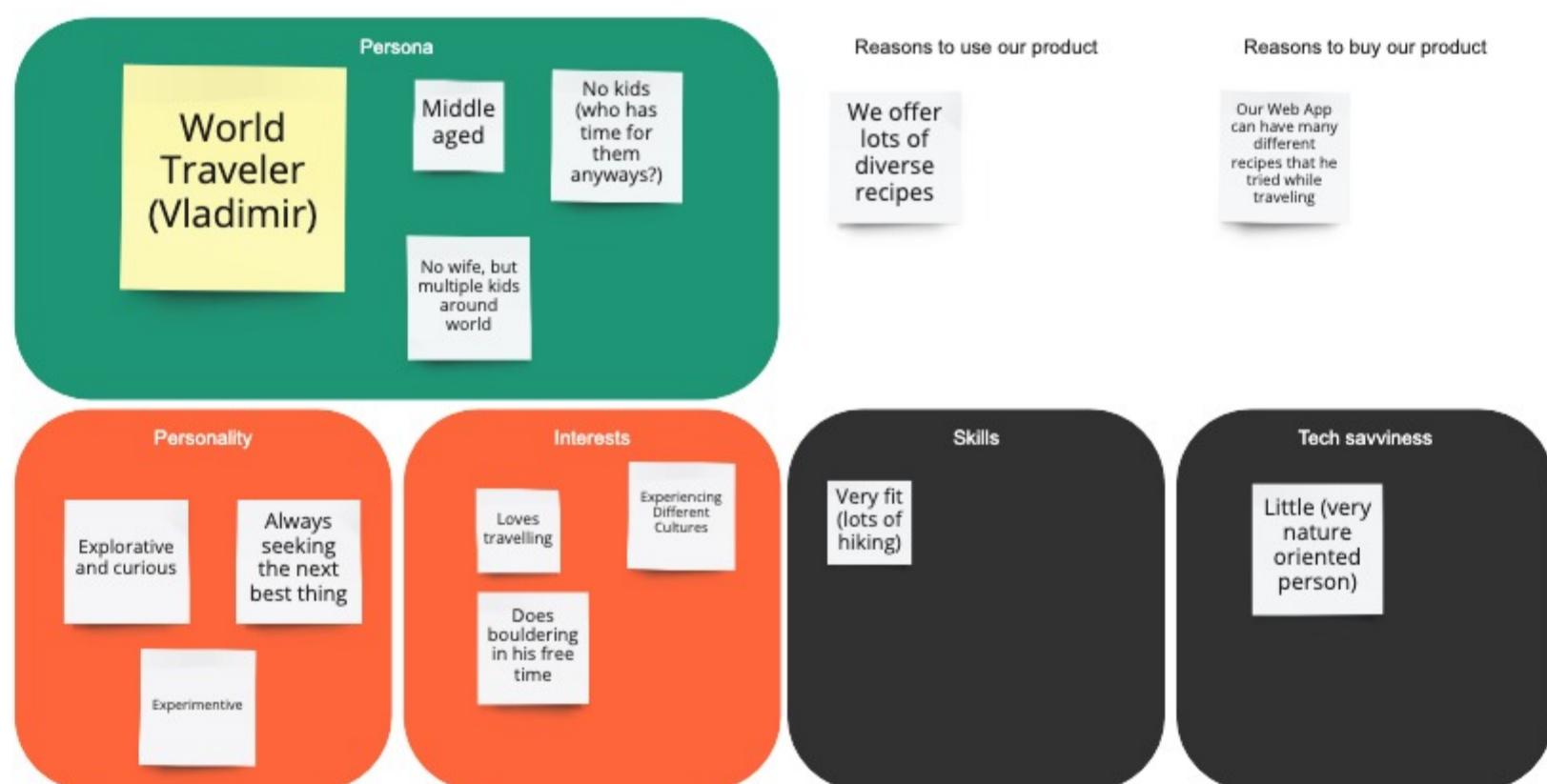


| Tier 1 Features | | Tier 2 features | Features should be geared towards target audience | Tier 3 Features |
|--------------------------------|--|--|---|---|
| User/Recipe CRUD functionality | Welcome screen for first time users | Vladimir: I have travelled the world and seen much. I would love to save the unique recipes I've encountered | Looks easy to use | Have videos and pictures for steps |
| final product images | explore(random starter recipes) | filter by complexity /difficulty | Filter by allergens/diet | Pantry/groceries Choose recipes you want to cook, compute groceries needed |
| Search Feature | shopping list containing selected recipes' ingredients | Set servings for all recipes | Easy scrolling with messy hands | Meal Prep for the week |
| Serving Adjustments | look at nutritional information of recipe. | Explore(recommender system) | Clearly visible current step | Dark mode/color themes |
| Time to cook + prep | responsive (looks good on different screen sizes) | Ratings/reviews | Grandma: Man I'd love to have the recipe chunk the steps! I have Alzheimer's so I don't remember much. Oh can we add step chunking as well? | pictures of what kitchen supplies will be needed |
| | | Timer | Keyboard shortcuts | Step by step image support |
| | | | | |
| | | | | |



Target: Beginner Friendly

beginner friendly:
less cooktime < 20 mins.
minimal cookware.
No difficult techniques.



Who

People who don't have much experience cooking and need a beginner friendly experience

Elderly learning to cook
young people (e.g. college students, high schoolers)
recent college graduates/college students
travelers looking for an easy meal in a hotel kitchen

People who have minimal cooking equipment/ingreidents/time

What

Recipe Manger, an app that stores recipes for users and find new recipes

Where

In the kitchen, at work, at the grocery store

When

Lunch or Dinner time
(Anytime they're hungry)

When grocery shopping

when actually cooking, looking at this app

Why

have other things to do, do not want to spend too much time on cooking.

Other options are too hard to follow

How

On their phone, tablet, or computer

Should have good support for low network devices

Quick Eat

Quick eat displaying area

Quick eat displaying area

Quick eat displaying area

By Cuisine Origin

display area

display area

display area

By protein

display area

display area

display area

Ingredient List

button: add to shopping list

displaying list of ingredients

General Information

Prep time: 10 mins

Level of difficulty: 3

cookware:

nutritional info

serving size

Introduction

An article of the recipe, or some kind of information introducing the recipe

Receipt website icon

Search 

quick eat

By
Diffuculty

By World Cuisine

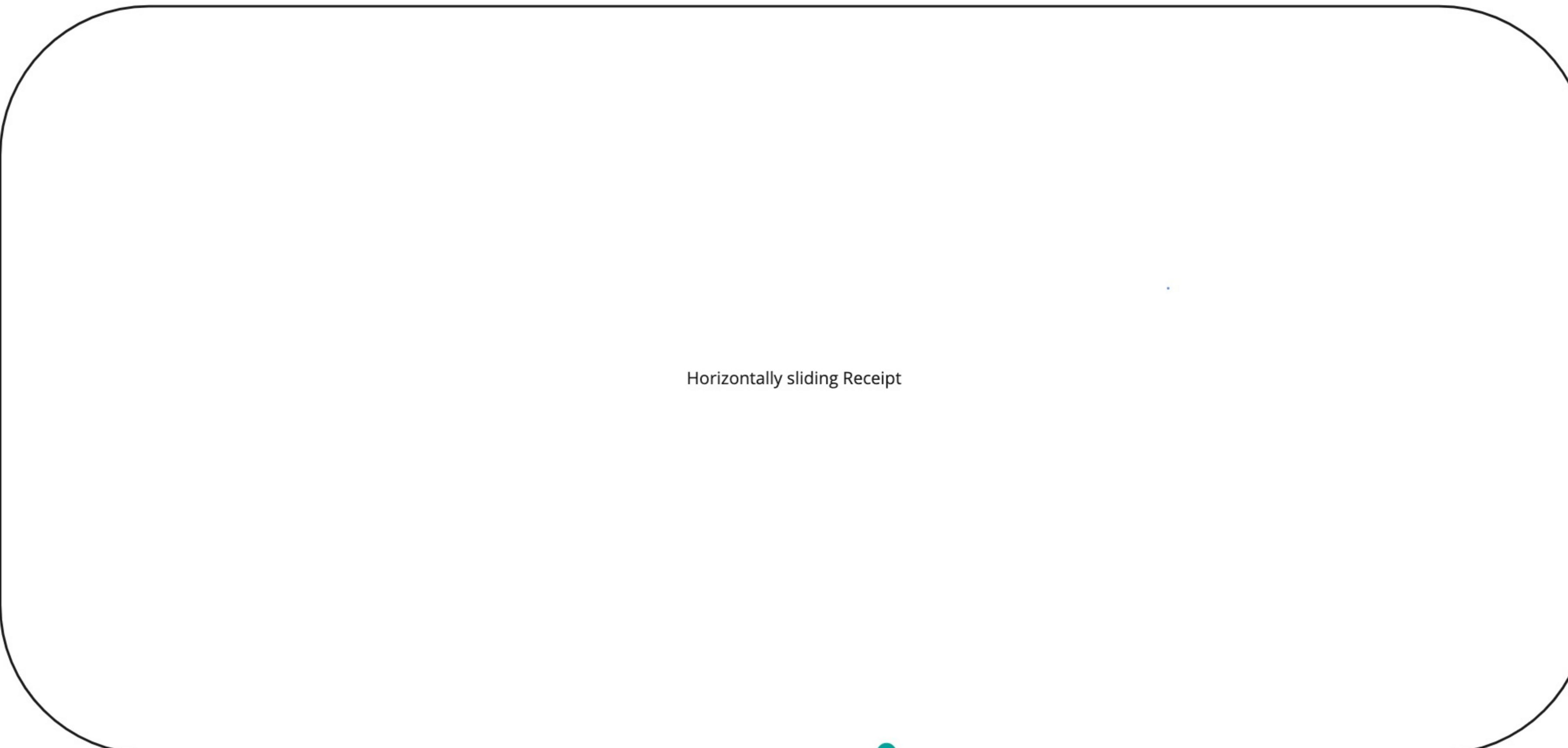
Diet

shopping list

sign up

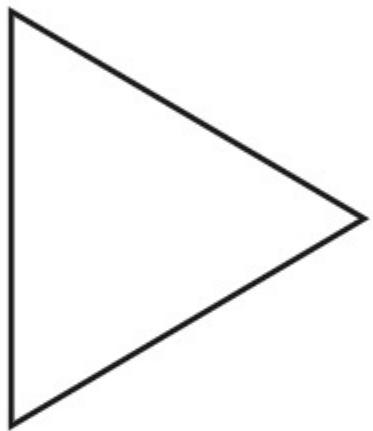
log in

Horizontally sliding Receipt



What are the recipe ingredients?

1. **2 tsp** of Salt
2. **4 cups** of Sugar
3. ...
4. ...

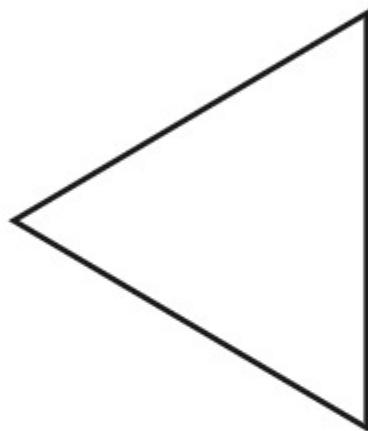


of

OK

What are the recipe steps?

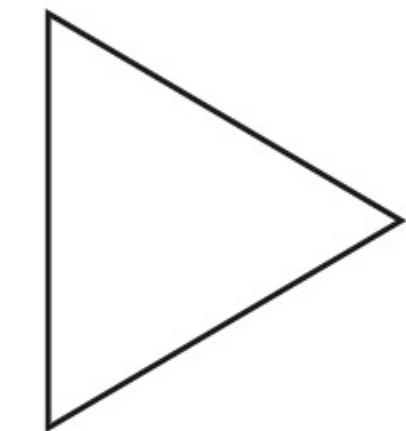
1. Add ...
2. Cook ...
3. ...



| |
|-------|
| Add |
| Cook |
| ... |
| ... |
| Other |

| |
|------------|
| Ingredient |

| |
|-------|
| Time |
| Temp |
| ... |
| ... |
| Other |



OK

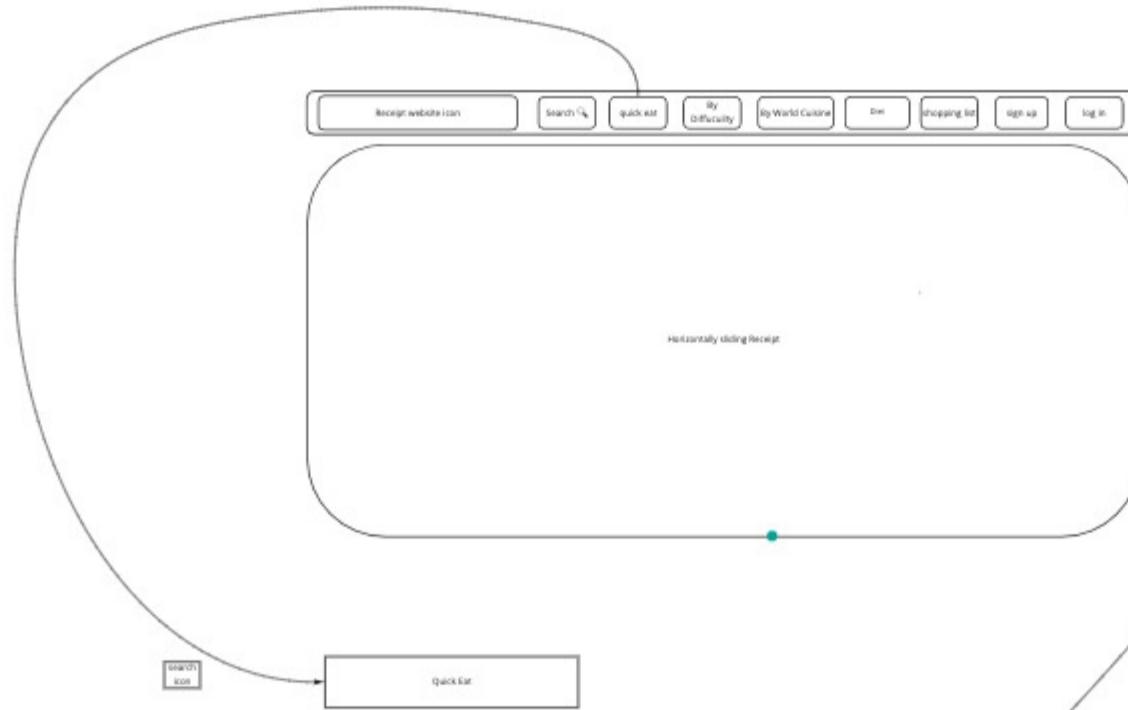
App Color



rgb(77,150,234) or #4D96EA

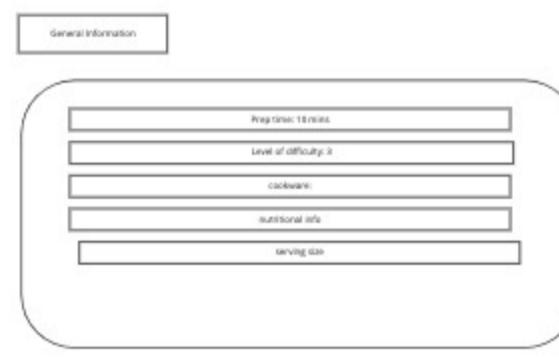
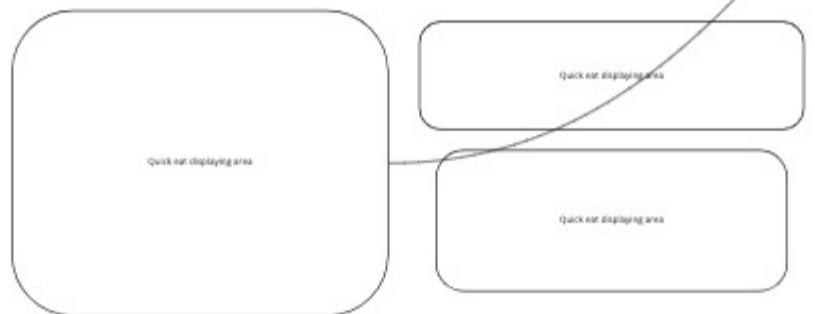
See Figma for more detailed and up-to-date information

source: Dribbble
original file: https://dribbble.com/shots/10000000-Hello-World-Cuisine

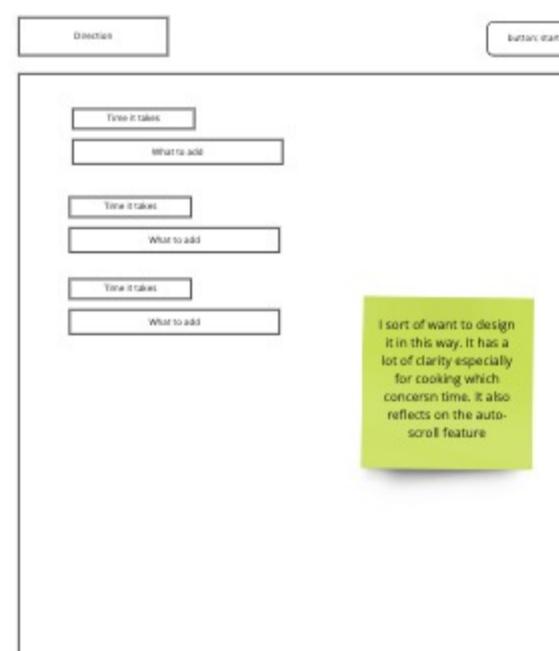
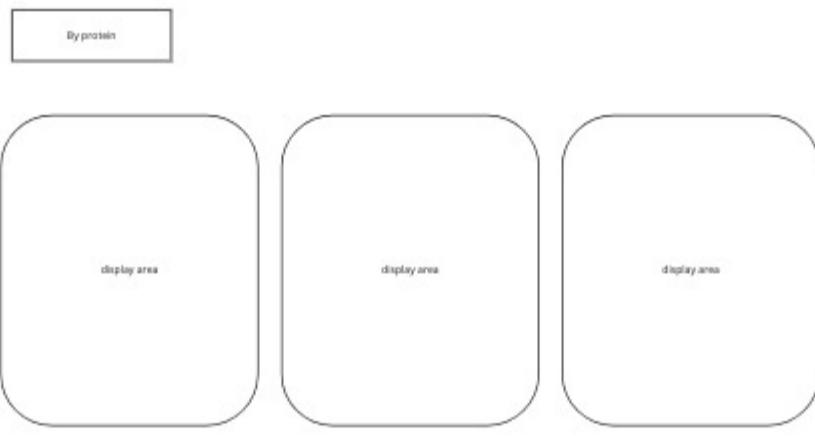
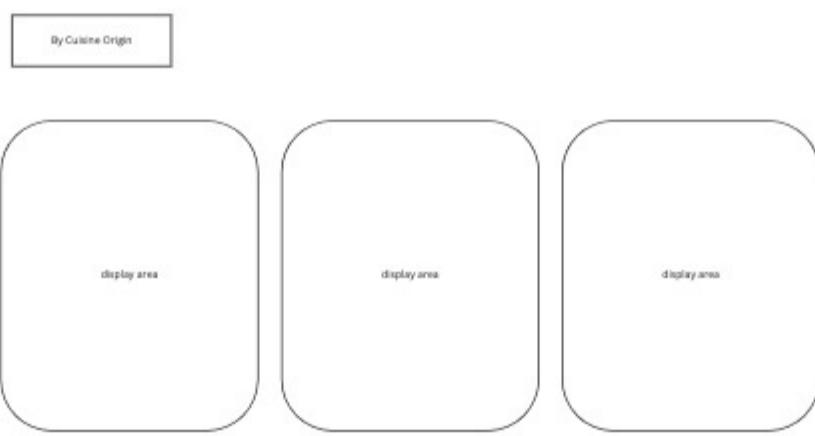


mood: easy going, simple clean

This is an actual image of a single screen



Using by color
of one or having
green/blue red
and purple for the link



What are the recipe ingredients?

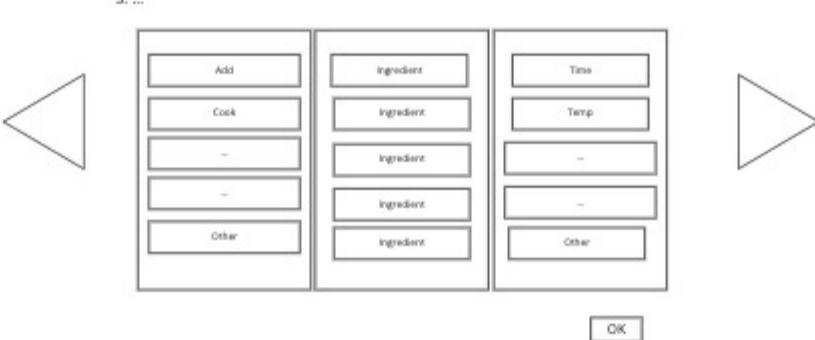
1. 2 tsp of Salt
2. 4 cups of Sugar
3. ...
4. ...



of

What are the recipe steps?

1. Add ...
2. Cook --
3. ...



User story 1:

- As a single father
- I want to cook for my children on the weekends but I am not exactly sure what they like to eat
- I want to cook something they like

Acceptance Criteria:

- Given a dad that wants to cook a meal his children will like
- When he opens the app, display meals that he has cooked in the past / favorite meals from the past

User story 2:

- A working mother
- I need something quick and easy to cook for my children
- I am tired / do not have much time

Acceptance Criteria

- Search for meals by time
- Display recipes in an easy to follow manner / large text / distinction between steps so that they are easier to follow

User Story 3:

- As a grandma
- Want to cook a large meal for my grandchildren with allergies
- Have a hard time seeing

Acceptance Criteria

- Allergy warnings when selecting recipes
- Large font / text distinction from background

User Story 4:

- As a teenager
- Do not have much experience cooking
- Want to learn how to cook simple dishes for myself

Acceptance Criteria

- Filter by difficulty
- Possibly offer more guidance in recipes than other cooking apps like a how to section (how to whisk, fold in cheese)

User Story 5:

- A world traveler
- I want to cook cuisine based off of where I am
- I need something easy to cook because my kitchen is small

Acceptance Criteria

- Search for different cuisines
- Need to have recipes that require less prep / easy to do with little supplies

User Story 6:

- Gym Rat
- Desire to meal prep in a large quantity
- Want to know nutrition facts

Acceptance Criteria

- Ability to adjust serving size by people eating and how many meals you want to eat it for
- Nutrition Facts
- Label recipes with key words like (protein- heavy?)

User Story 7:

- Young children
- Want to cook something for mom for mother's day
- Do not have any experience in the kitchen

Acceptance Criteria

- Make easy recipes easy to find
- Have pictures of the tools needed to make a certain recipe like what bowls, spoons, measuring cups, other supplies

User Story 8

- Newlyweds
- Offered to host thanksgiving for the first time
- Do not know what exactly to cook, how much time they need

Acceptance Criteria

- Estimated time frame on different recipes
- Suggestions for an occasion ?
- Offer a to-do list for a user's recipes if they plan to make a large meal that tells them the sum of prep time, and overall time

Research

General Research: Definition of Recipe Management and Essential Features

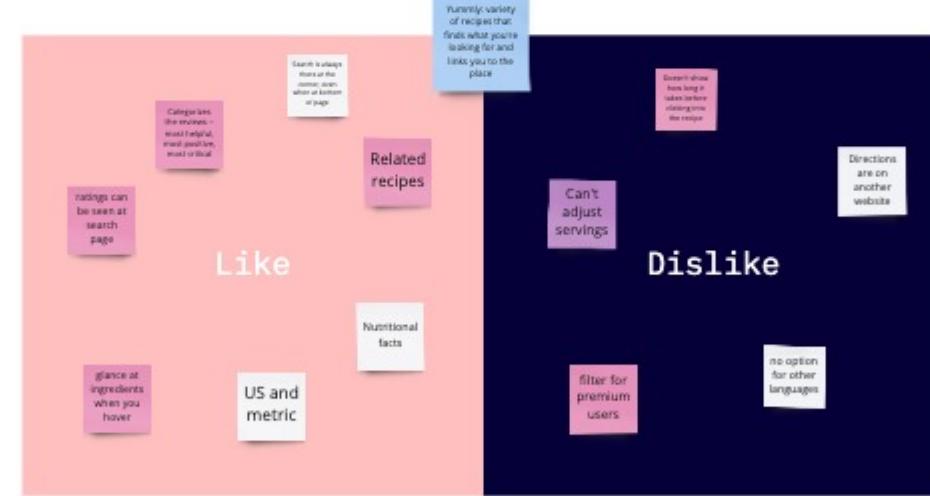
like a digital cookbook

Have step-by-step direction on how to cook a recipe

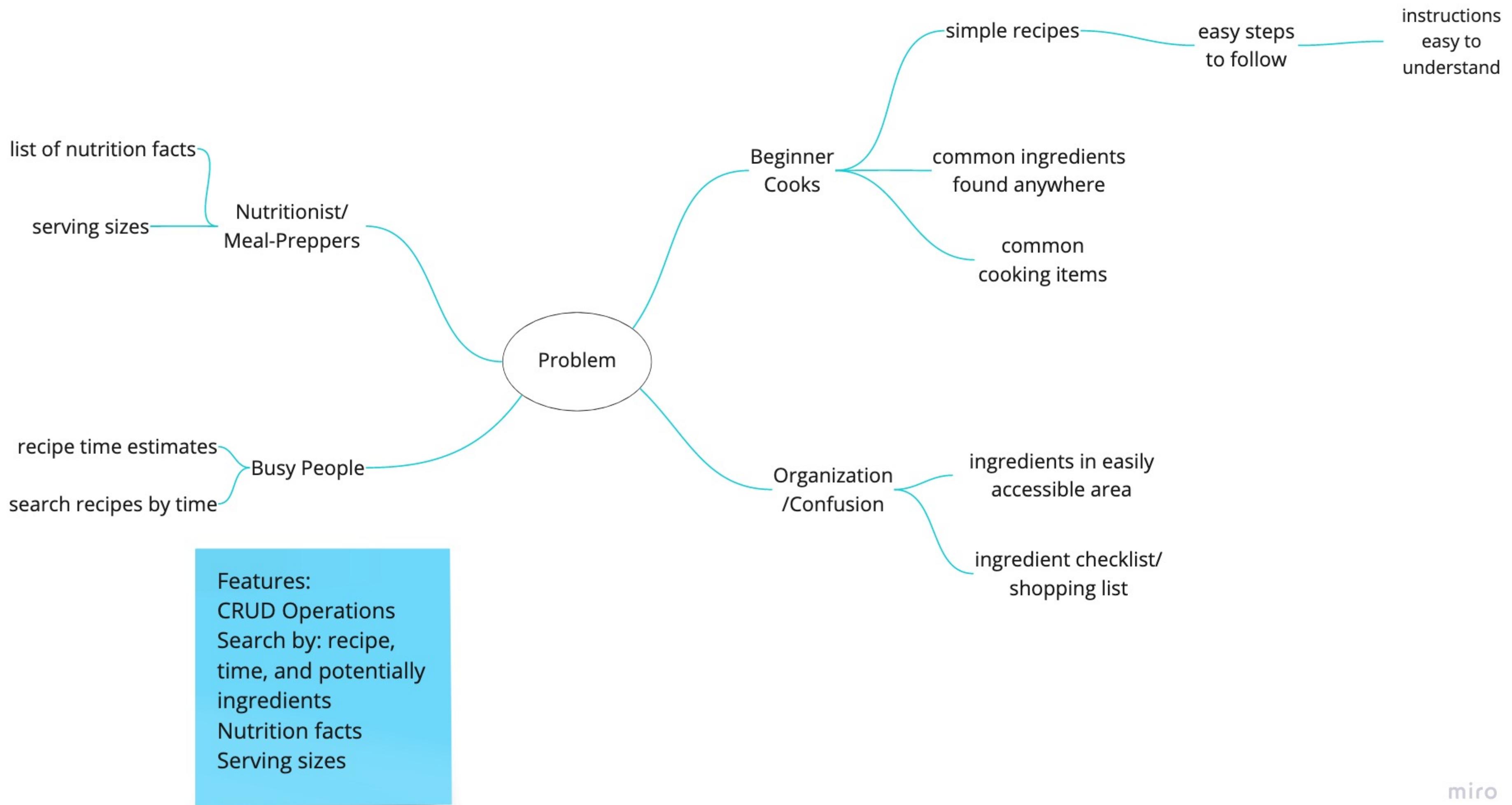
favorite recipes -- earmarking a page in a cookbook

Research

Other recipe management apps: features, like/dislike



Project Statement



Welcome screen for first time users

- Welcome message followed by new username input
- Add password + email option after clicking 'continue'
- Privacy reminder that their personal information won't be used
- Log in from Gmail or Facebook?

Search Feature

- Needs to support the addition of new items (so no vector space SE)
- Should support:
 - Search by ingredients (check this first)
 - Search by name
 - Multiple search terms

- No ranking (too complicated)
- Suggested search terms
 - What matches best?
 - Or by popularity?

explore(random starter recipes)

- Have popular recipes appear in the beginning
- Recommendations after N amount of searches
 - Finding X most similar users and recommending their favorite items?
 - X items most similar to user's favorite item

MVP

Create a favorites list

Read a recipe

Update your favorites lists

Delete your favorites lists

Search Feature

pictures of the cooking/tools tools (spoonacular)

final product images (spoonacular)

Phone/pc/tablet support

Explore feature

extend search functionality

highlight current step

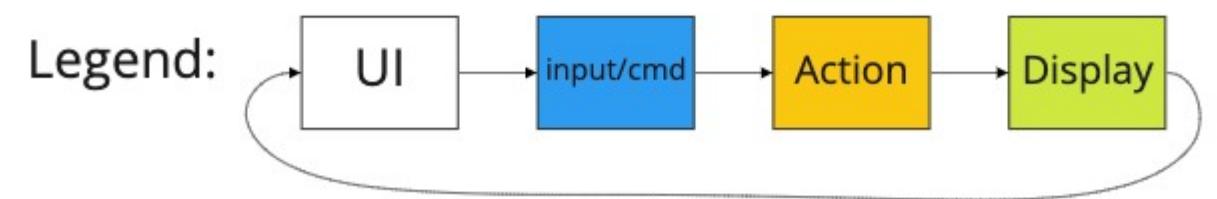
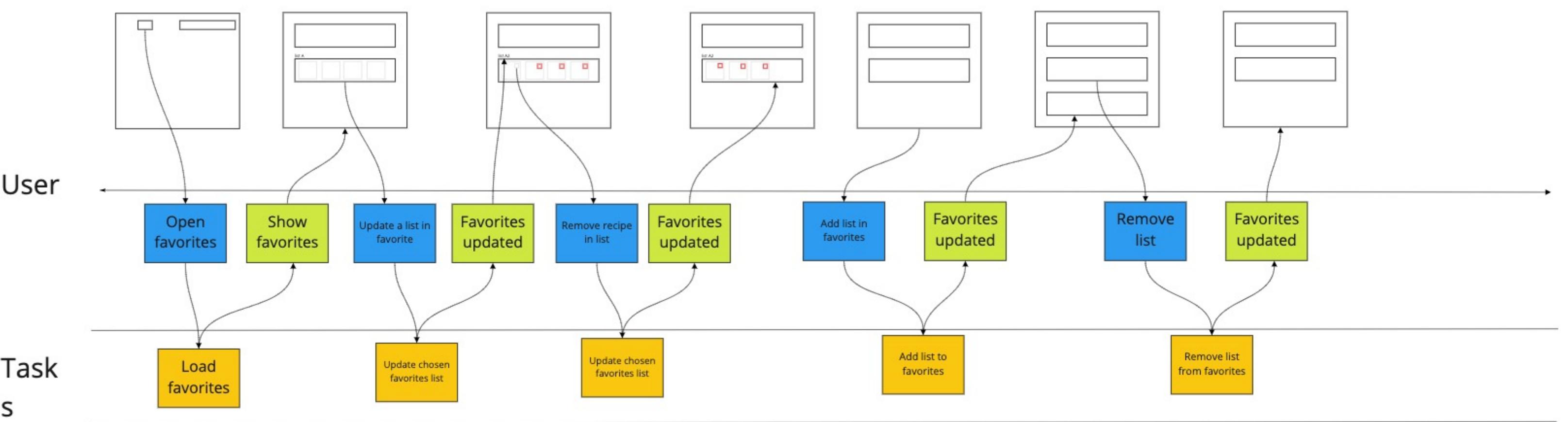
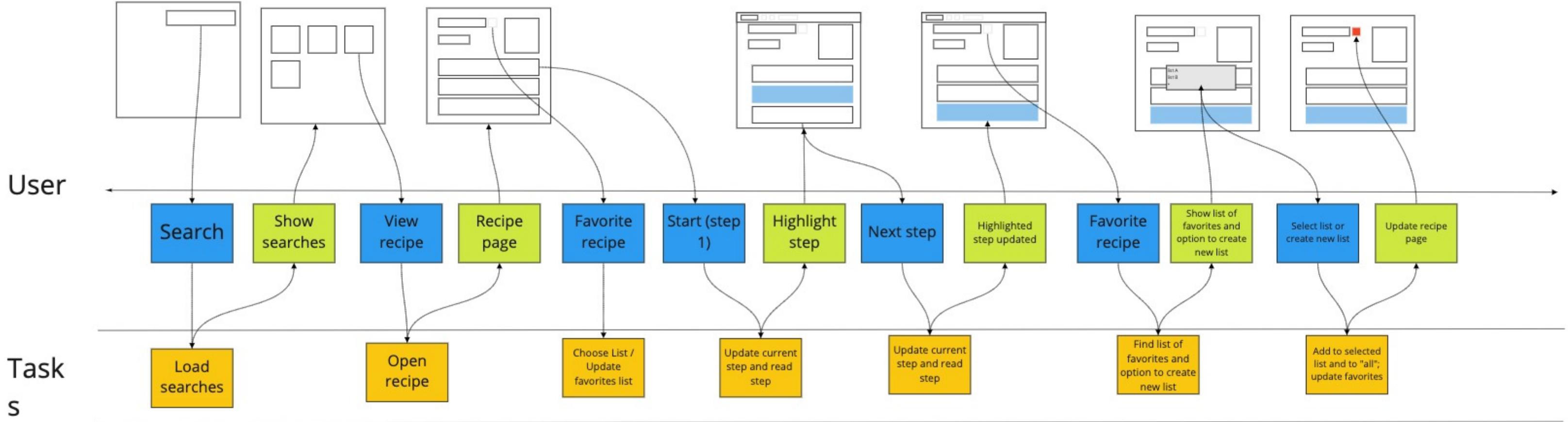
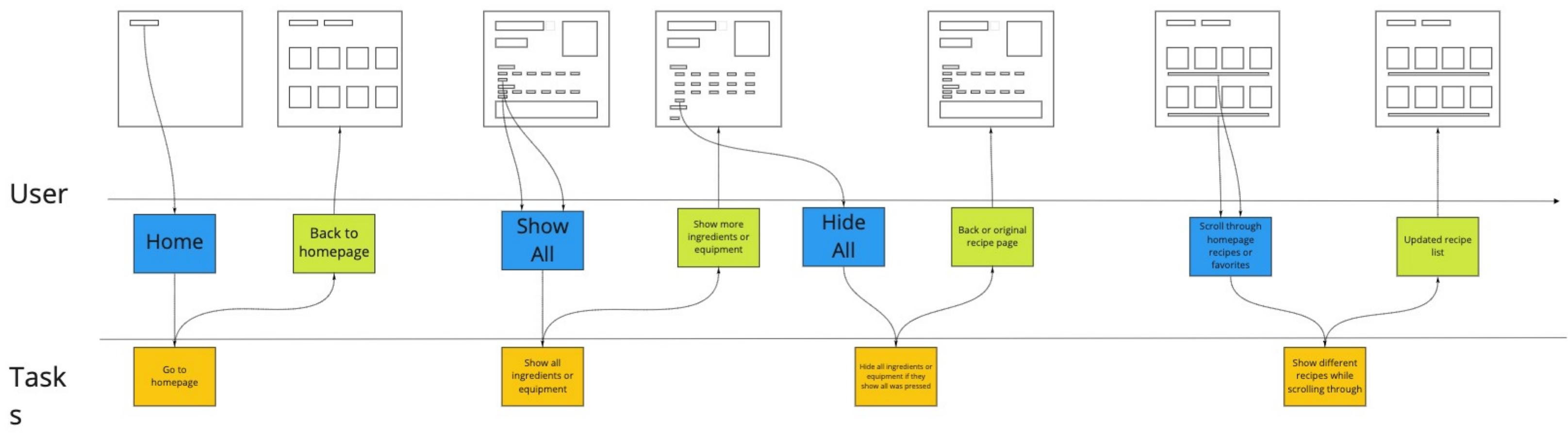
Catagories for explore

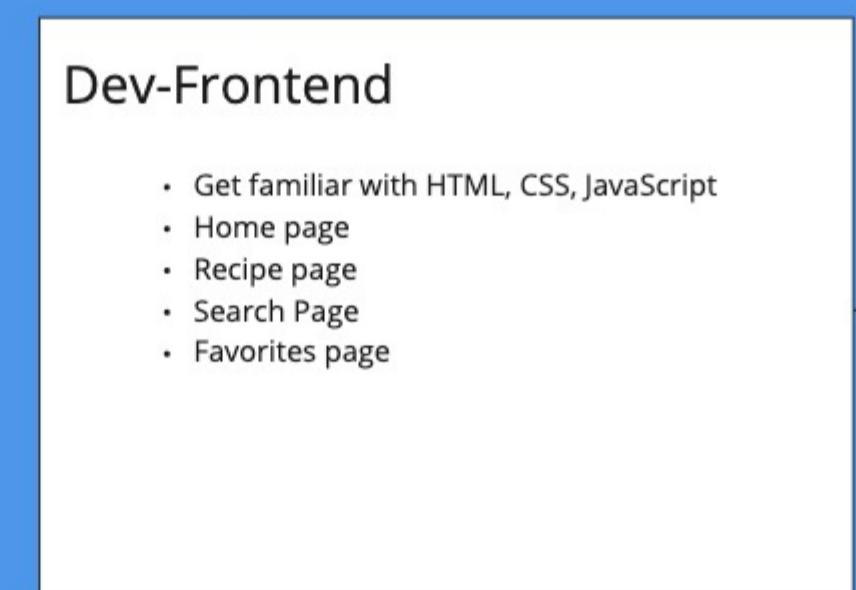
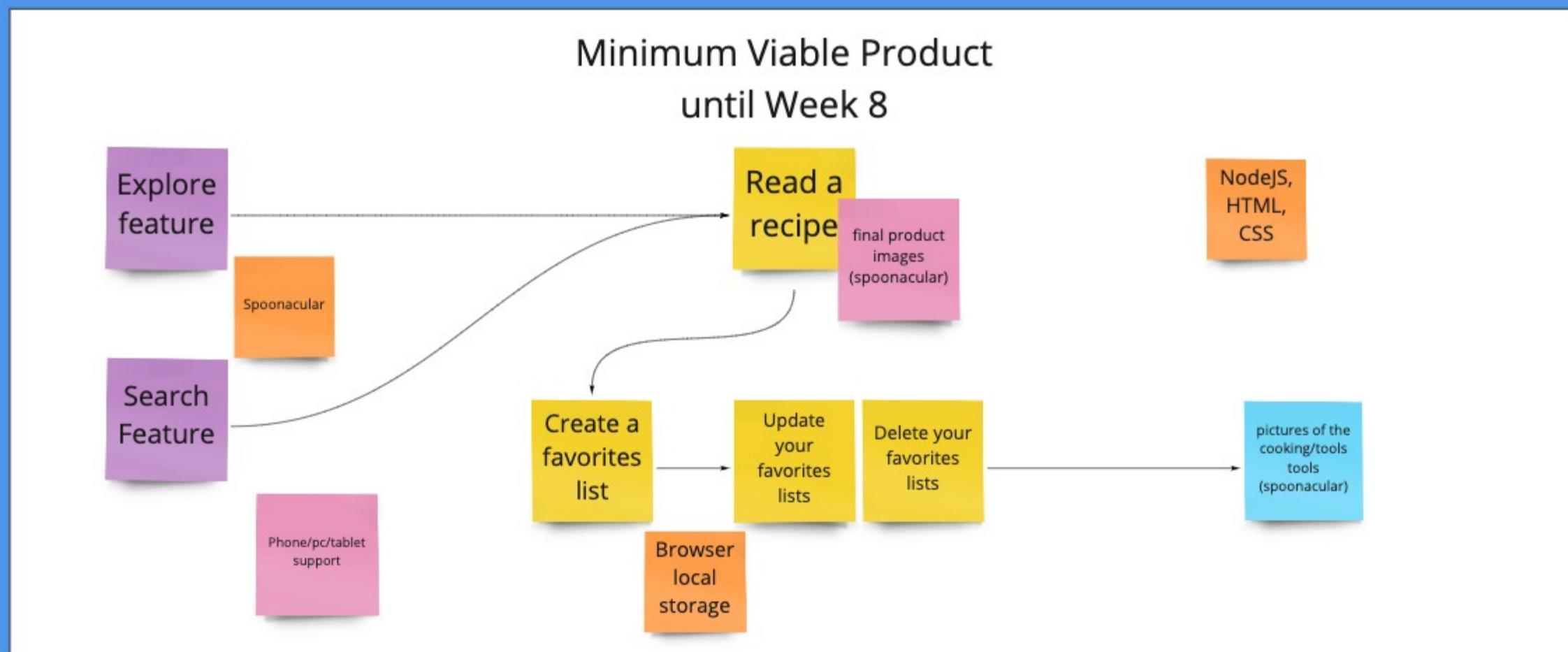
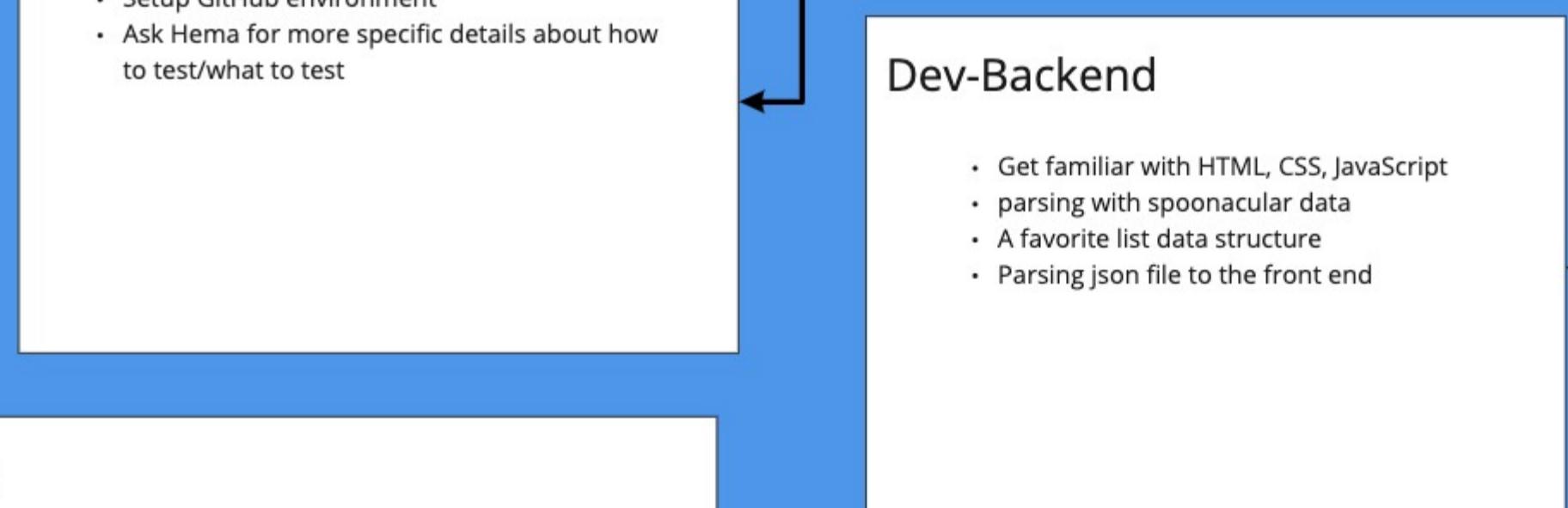
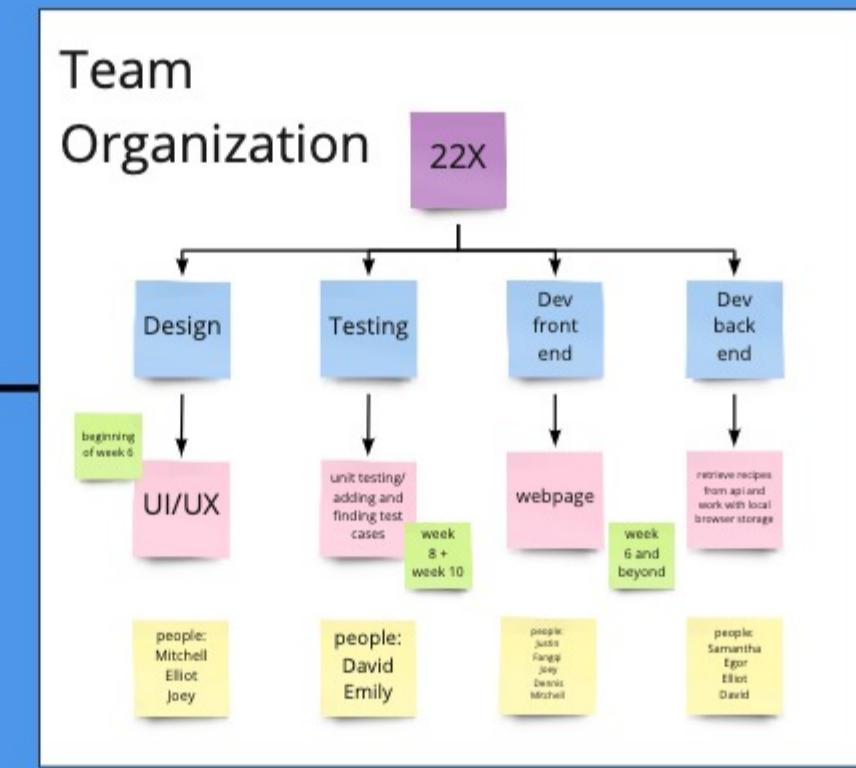
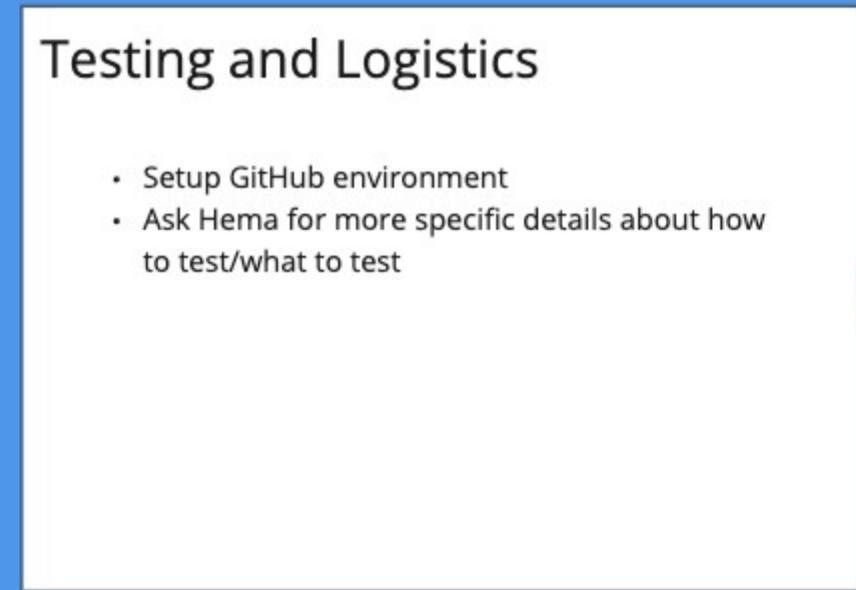
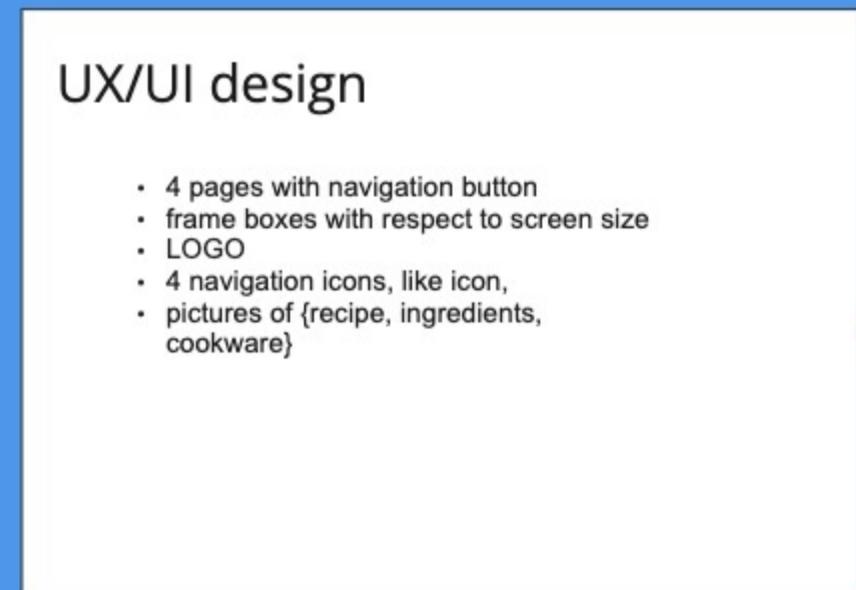
email (export/import) recipes

Extension

checkboxes
fetch all available tags from API

json
maybe just export/import
email html->easy to just look at it in email





Lofi

| | Desktop | Mobile |
|--------------|---------|--------|
| Home/Explore | ★ | ★ |
| Search | ★ | ★ |
| Favorites | ★ | ★ |
| Recipe | ★ | ★ |

Hifi

| | Desktop | Mobile |
|--------------|---------|--------|
| Home/Explore | ★ | ★ |
| Search | ★ | ★ |
| Favorites | ★ | ★ |
| Recipe | ★ | ★ |

Module Display Panel

Input: Recipe ID

Process Show Recipe Name

Process Show Image

Process Favoriting

Process Unfavoriting



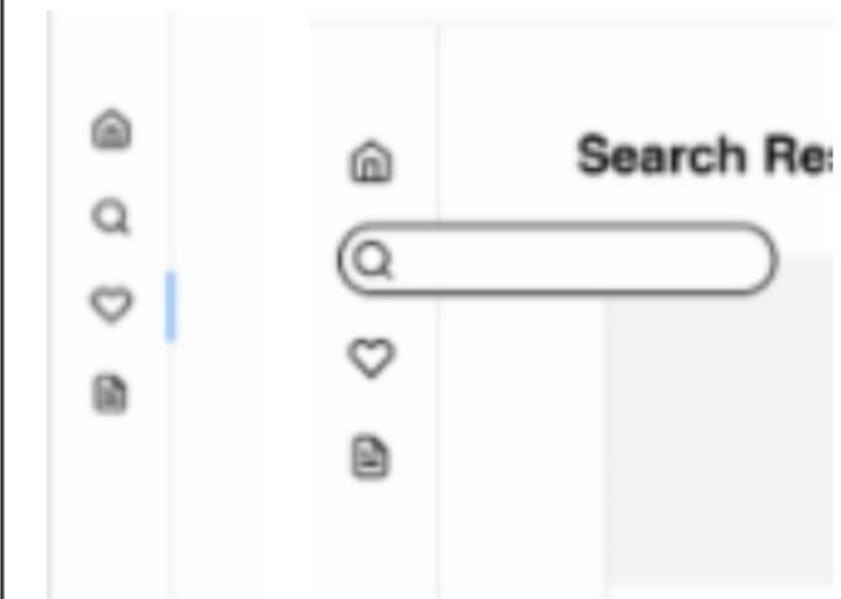
Module Navigation Sidebar

Process Go to Favorites

Process Go to Home

Process Search

Process Show/Change settings



Module Home Page

Process Display random recipes

Use Display Panels

Process Horizontal Scrolling (Also on Favorites page)

Module Search Results Page

Process Display search results

Continued from **Process Search** from **Navigation Sidebar**

Use Display Panels

Module Favorites Page

Process Display all favorites

Use Display Panels

Process Horizontal Scrolling (Also on Home page)

Process Rearrange favorite items

Process Create new list

Process Delete list

Module Recipe Page

Process Display recipe information (images, steps, tools etc.)

Process Move from step to step with Navigation Bar

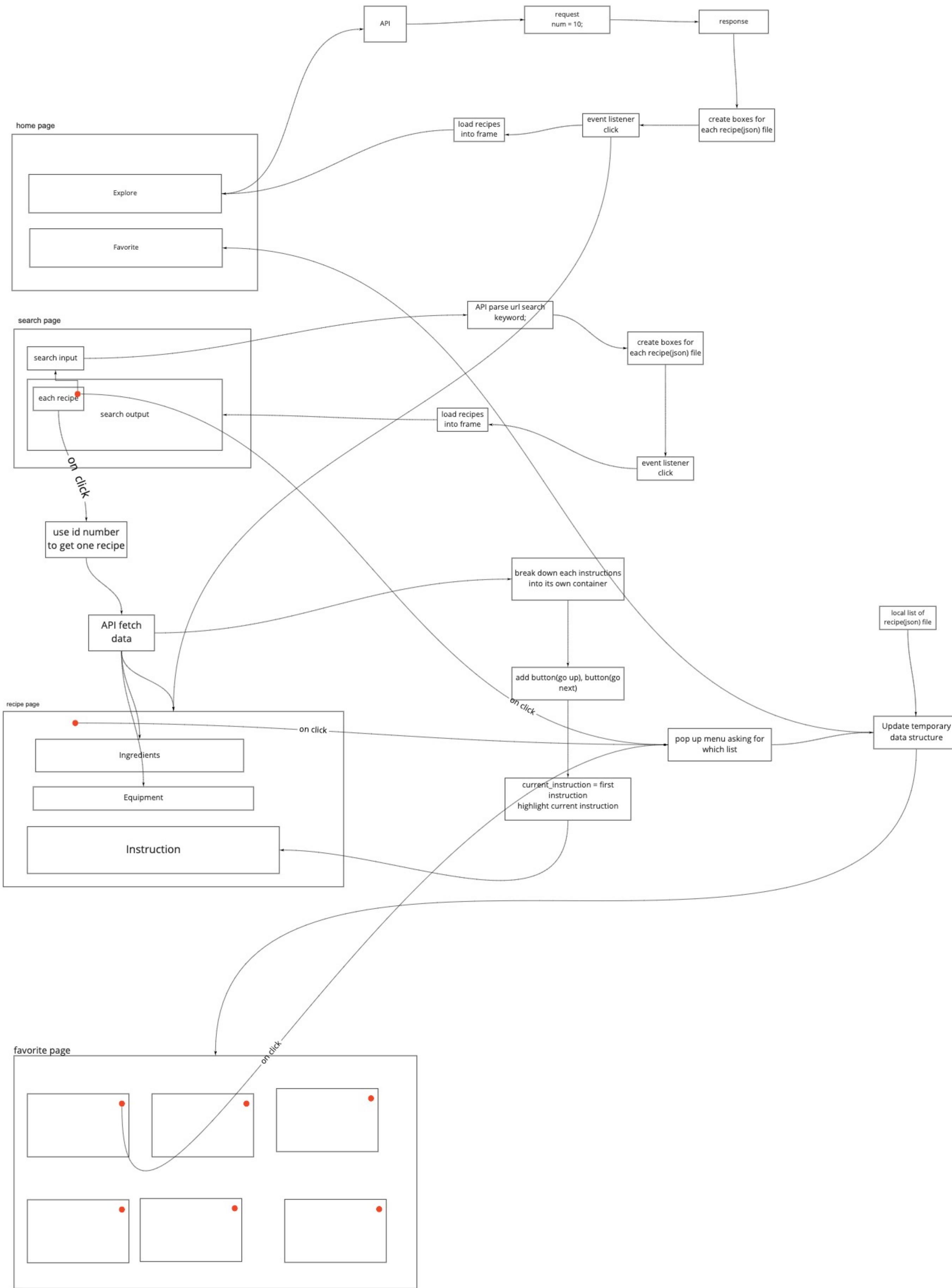
Process Ingredient/Tool Scrolling (Possibly the same as home/favorites)

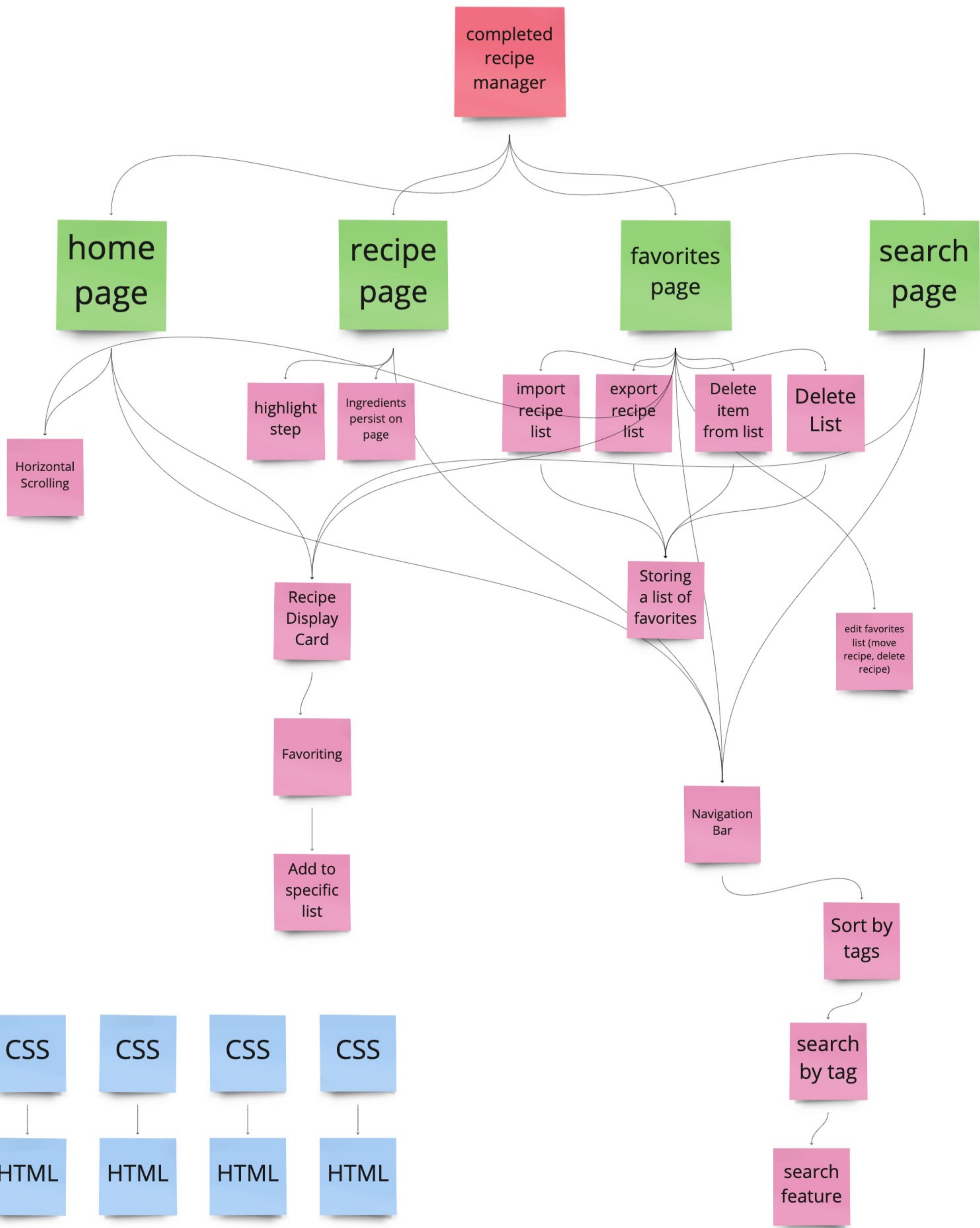
Process Save/Highlight current step

Process Text to speech

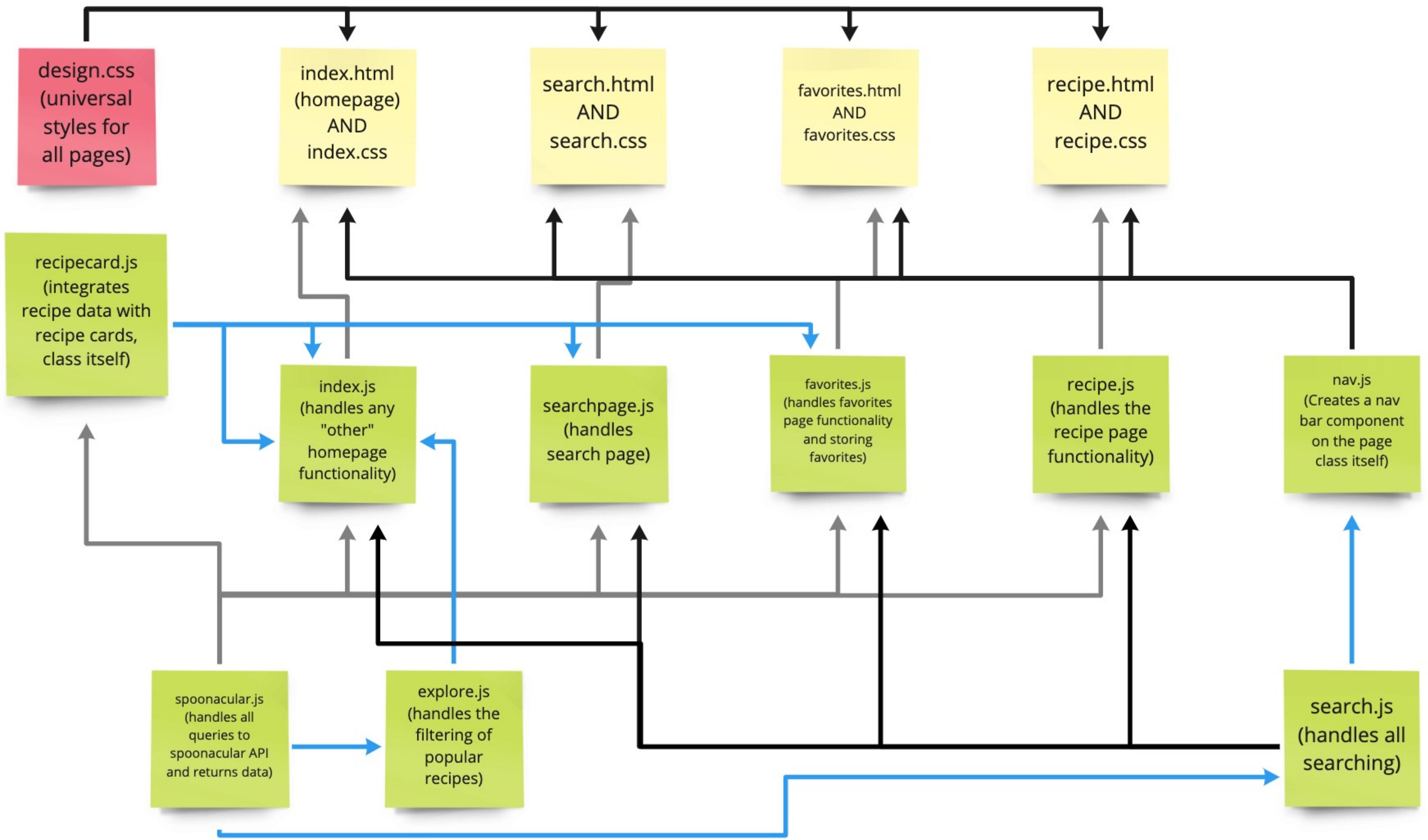
Process Favoriting

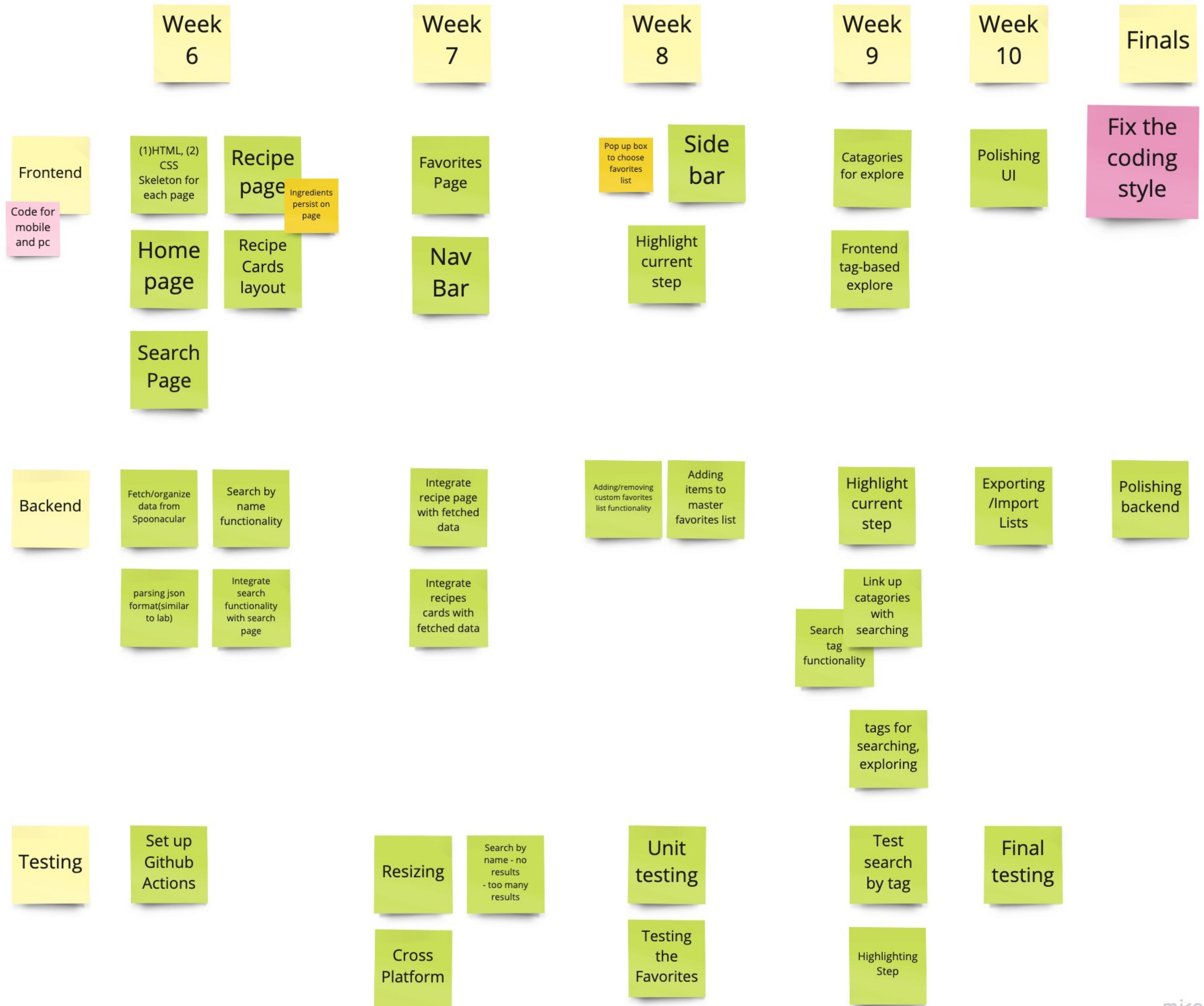
Process Unfavoriting

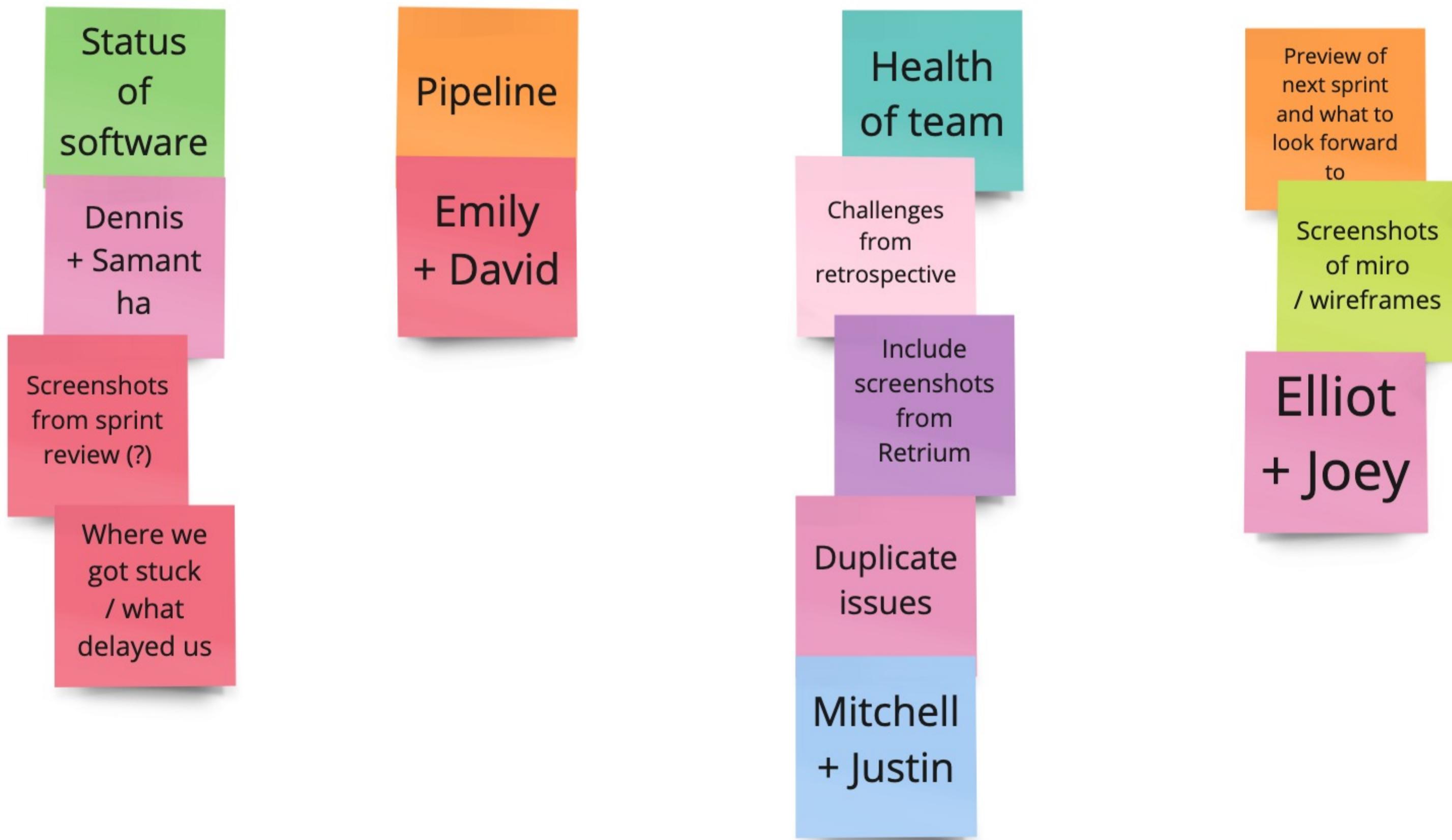




| | Week 6 | Week 7 | Week 8 | Week 9 | Week 10 | Finals |
|----------|---|--|--|-------------------------------------|----------------------------|-------------------------|
| Frontend | (1)HTML, (2) CSS Skeleton for each page | Recipe page Ingredients persist on page | Favorites Page Pop up box to choose favorites list | Nav Bar including search options | Catagories for explore | Polishing UI |
| Backend | Fetch/organize data from Spoonacular | Search by name functionality | Adding items to master favorites list Adding/removing custom favorites list functionality | Highlight current step | Frontend tag-based explore | Exporting /Import Lists |
| Testing | Set up Github Actions | Resizing Search by name - no results - too many results | Unit testing | Test search by tag | Final testing | |
| | | Cross Platform | Testing the Favorites | Highlighting Step | | |







Put everything in Google Drive by 5pm Sunday