EggCellent

Project Pitch - Group 35

Kevin An; Yen-Yun Wu; Jiyoung An; Vivian Wu; Harrison Ma; Rudy Zhang; Zhongyi Wang; Jiawen Xu; Tianze Zhang; Logan Ramos
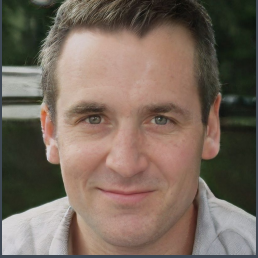
Contents

Problems?

- Want to make simple and healthy food, but it is difficult to find from online.

- Many online recipes do not have nutrition facts/difficult to search specific criteria
(e.g. Vegan option, allergic info).

Possible Solution?

- Provide recipes with nutrition facts for people who want healthy diet and simple food

- Target Users: Young Adults & Beginner Cooks

User Personas

Dr. Stanley Grant
27 years old /Male/Married/Professor
Hobbies: Hiking/Camping
Technology familiarity: pro
Devices used: MacBook pro, iPhone XR

User goals: Recipes for easily cooked food
Concerns: Time, family(taking care of children)

Ruth N. Stevens
25 years old /Female /Single/PhD college student
Hobbies: Yoga/Cooking
Technology familiarity: advanced
Devices used: iPhone 13 Pro max

User goal: Tasty, delicious, and healthy food
Concerns: allergic to peanut

Sofia Bentley
26 years old /Female/In a relationship/ PhD student
Technology familiarity: decent
Device used: Samsung S9

User goal: Organic and balanced diet, good lifestyle
Concern: Vegetarian, organic ingredient preferred

User Personas

Emily
19 years old /Female/Single/High school student(college candidate)
Hobbies: Piano, chess
Technology familiarity: Good
Device used: iPhone XS max

User goal: Developing cooking as a hobby
Concern: No previous cooking experience

Daksha Gupta
19 years old /Male/Single/College Sophomore
Hobbies: Video game
Technology familiarity: fluent
Device used: Samsung Galaxy S8

User goal: Not to starve and not go bankrupt

Cameron Kaeppel
25 years old/Male/In relationship/3rd year PhD Student
Hobbies: Hiking/ swimming
Technology familiarity: fluent
Device used: Samsung Galaxy S8

User goal: Dog lover / easy life on the top of the mountain

User Stories

As an user, I would like to have easily cooked recipes,
so that I can prepare my meal fast and simple.

As an user, I would like to see nutrition facts,
So that I can continue balanced diet.

As an user, I would like to create my own recipe,
So that I can share my recipe with other people.

As an user, I would like to search by tags,
So that I can search specific criteria easily.

As an user, I would like to have account system,
So that I can save my favorite recipes.

As an user, I would like to have beginner recipes,
So that I can cook without cooking experience.

Features

- **C**reate Recipe
- **R**ead/Get Recipe
- **U**pdate Recipe
- **D**elete Recipe
- Search By Tag
- Nutrition Facts
- User Account System
- Beginners Recipes

Create Recipe

- When a user creates a new recipe in our app, we will write the recipe to our db under the respective accountId.

- A recipeId will be generated upon creation.

CREATE

C

Read Recipe

- Specific recipes can be accessed with the recipeName, or recipeId.

- recipeName (and id) can be omitted to query ALL associated recipes for a user. This will occur after sign in.

- A recipe under another accountId cannot be read unless public field is true.

READ

R

Update and Delete Recipes

- A recipe can be updated/deleted only if that recipe belongs to the user.

- All specific fields can be updated except the recipeId, which will be used as the key in the query in cases where the recipe name changes.

- Recipes can be deleted, similar structure to how read would look.
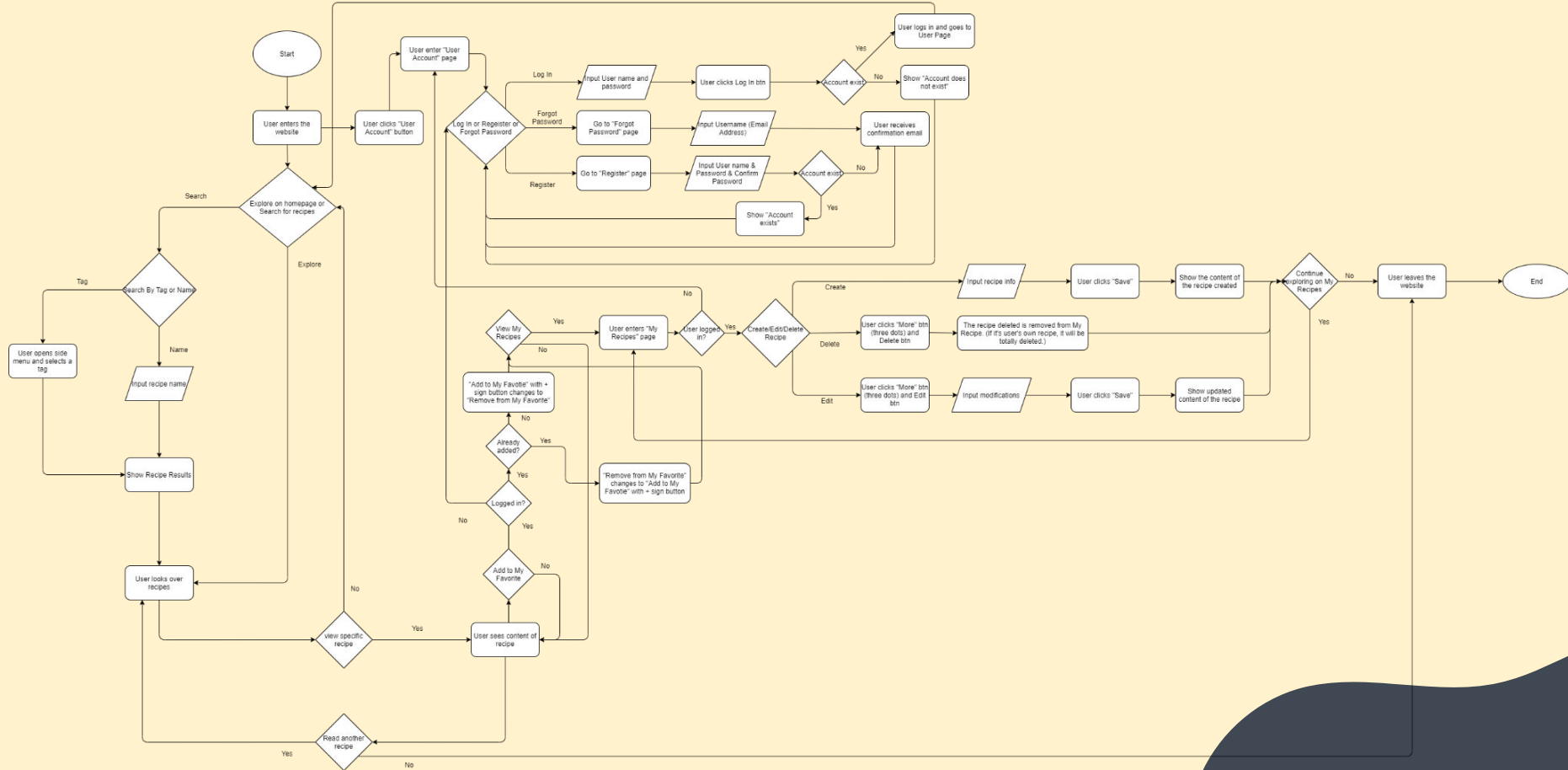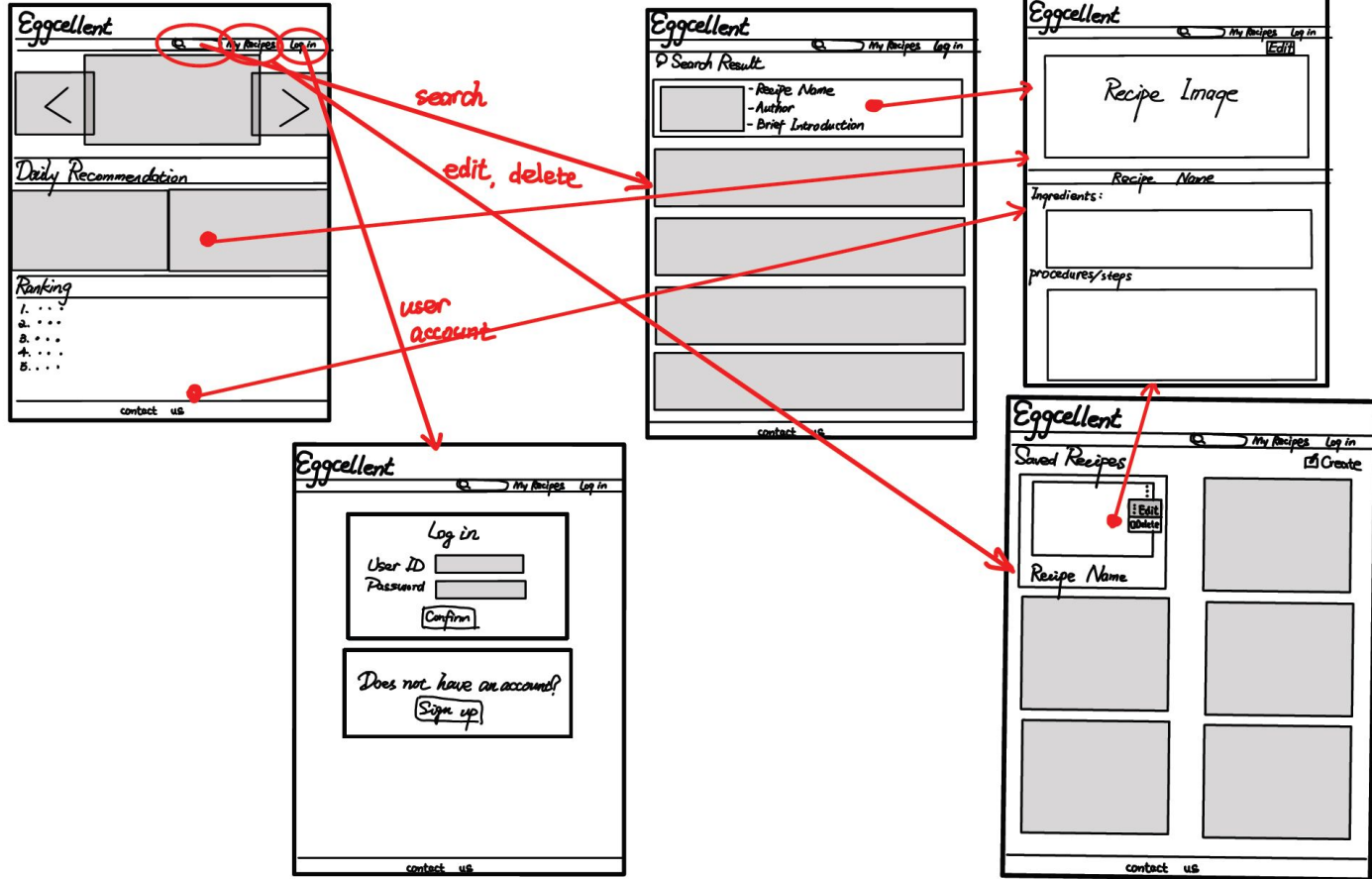
UPDATE   DELETE
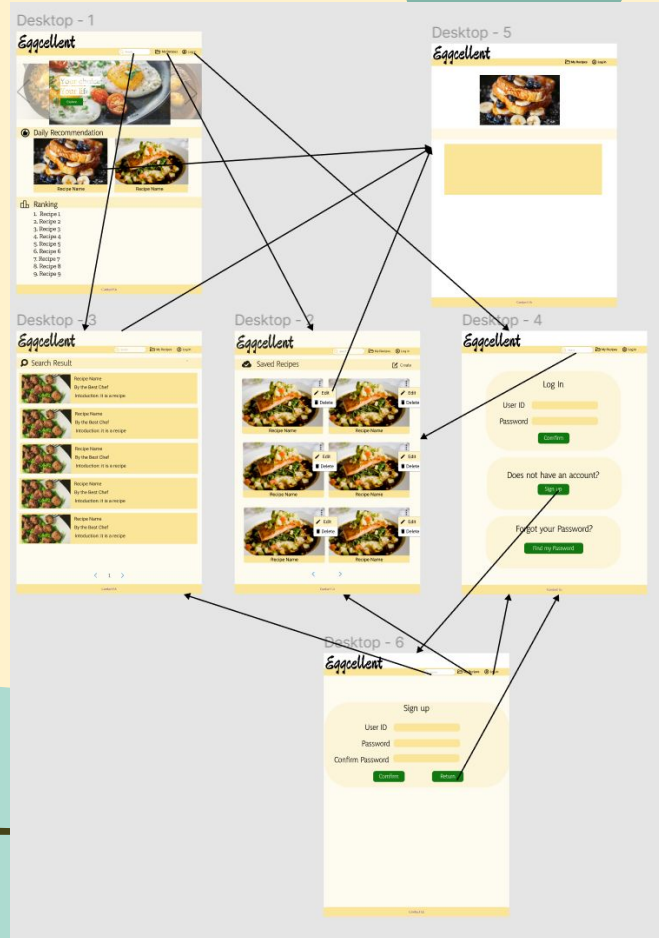
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System Flow

Start

User enters the website

User clicks "User Account" button

User enter "User Account" page

Log In or Regeister or Forgot Password

Log In → Input User name and password → User clicks Log In btn → Account exist?
- Yes → User logs in and goes to User Page
- No → Show "Account does not exist"

Forgot Password → Go to "Forgot Password" page → Input Username (Email Address) → User receives confirmation email

Register → Go to "Register" page → Input User name & Password & Confirm Password → Account exist?
- No → User receives confirmation email
- Yes → Show "Account exists"

Explore on homepage or Search for recipes
- Search → Search By Tag or Name?
  - Tag → User opens side menu and selects a tag → Show Recipe Results → User looks over recipes
  - Name → Input recipe name → Show Recipe Results
- Explore → User looks over recipes

View My Recipes
- Yes → User enters "My Recipes" page → User logged in?
  - Yes → Create/Edit/Delete Recipe
    - Create → Input recipe info → User clicks "Save" → Show the content of the recipe created
    - Delete → User clicks "More" btn (three dots) and Delete btn → The recipe deleted is removed from My Recipe. (If it's user's own recipe, it will be totally deleted.)
    - Edit → User clicks "More" btn (three dots) and Edit btn → Input modifications → User clicks "Save" → Show updated content of the recipe
  - No
- No

Continue exploring on My Recipes
- No → User leaves the website → End
- Yes

"Add to My Favotie" with + sign button changes to "Remove from My Favorite"

Already added?
- Yes → "Remove from My Favotie" changes to "Add to My Favotie" with + sign button
- No

Logged in?
- Yes
- No

Add to My Favorite
- Yes
- No

User sees content of recipe

view specific recipe
- Yes
- No

Read another recipe
- Yes
- No

Low-fidelity Wireframe

High-fidelity Wireframe (Figma)

Rabbit Holes

Ranking System

Account System

Risk
We had various interesting features like ranking system and discussion board. However, due to time frame and complexity, we decided to make these features as _no-go_.

Risk
There will be technical difficulties (poorly structured user data) because the account system has to apply the login and logout status to the entire system (recipes are stored in the account, not in the user's machine).

Rabbit Holes

Categorize the Search Results / Saved Recipes

Risk
It would be a bit complicated to automatically categorize the recipes in saved recipes and how to patch a huge amount of search recipes from other sources (internet).

Nutrition Fact

Risk
We decided to have Nutrition facts but it may get complicated because there are so many different types of nutrition facts and it may get hard to organize all of it.

No-Gos

'Find the Password' in Account System

It will be a good feature, but it can be complicated since we need to interact with users. Also, due to time constraints, we decided to move it to no-gos.

Ranking System

Ranking System was one of our unique features, but we decided to move it to low priority/no-go feature due to time constraints and complexity.

Daily Recommendations

This was also one of our unique features, but due to time constraints, and lack of knowledge on recommender system, we moved it to no-gos.

Likes Counter System

We came up with this feature with Ranking System, but due to the timeframe and for the sake of MVP, we moved it to no-gos.

Project Timeline

◆ Milestone ●—— Dependency

		November				December	

Start	Finish	Sprint 1 - Week 1	Sprint 1 - Week 2	Week 3	Week 4	Week 1	Week 2
November 1	Nov 7	Structure out Home Page/User Log-In & Register					
Nov 1	Nov 10	Implement User Account System & Nutrition Fact	Unit Testing (Nov 8 - 11)				
Nov 15	Nov 21	Backend (DB) for User recipes					
Nov 1	Nov 7	Backend for User Account system					
Nov 10	Nov 18		Implement CRUD features	Unit Testing (Nov 18 - 22)			
Nov 18	Nov 28			Implement Tag & Search Feature			
Nov 22	Dec 10			Integration/End to End Testing		Deployment	