

Rock Paper Scissors:: Wanying Li, Sebastian Ching, Harry Zhu, Selena Ho
SoftDev
P01
2022-12-02
time spent: 2.6
Target ship date: {2022-12-22}

Description:

This website provides users with recipes of their liking, adhering to whatever dietary restrictions they provide. Recipes can either be entirely random for those who want to try something new or based on the ingredients the user provides. Users will also be able to translate their recipes into the recipe's original language which is based on the recipe's cuisine type.

Frontend framework choice: Bootstrap

We chose Bootstrap because we thought it would be a better fit for our design blueprint. We thought it was user friendly and easier to apply to our code. Additionally, we found that the documentation for Bootstrap was better than Foundation's which would make it easier for us to apply different aspects of Bootstrap to our code.

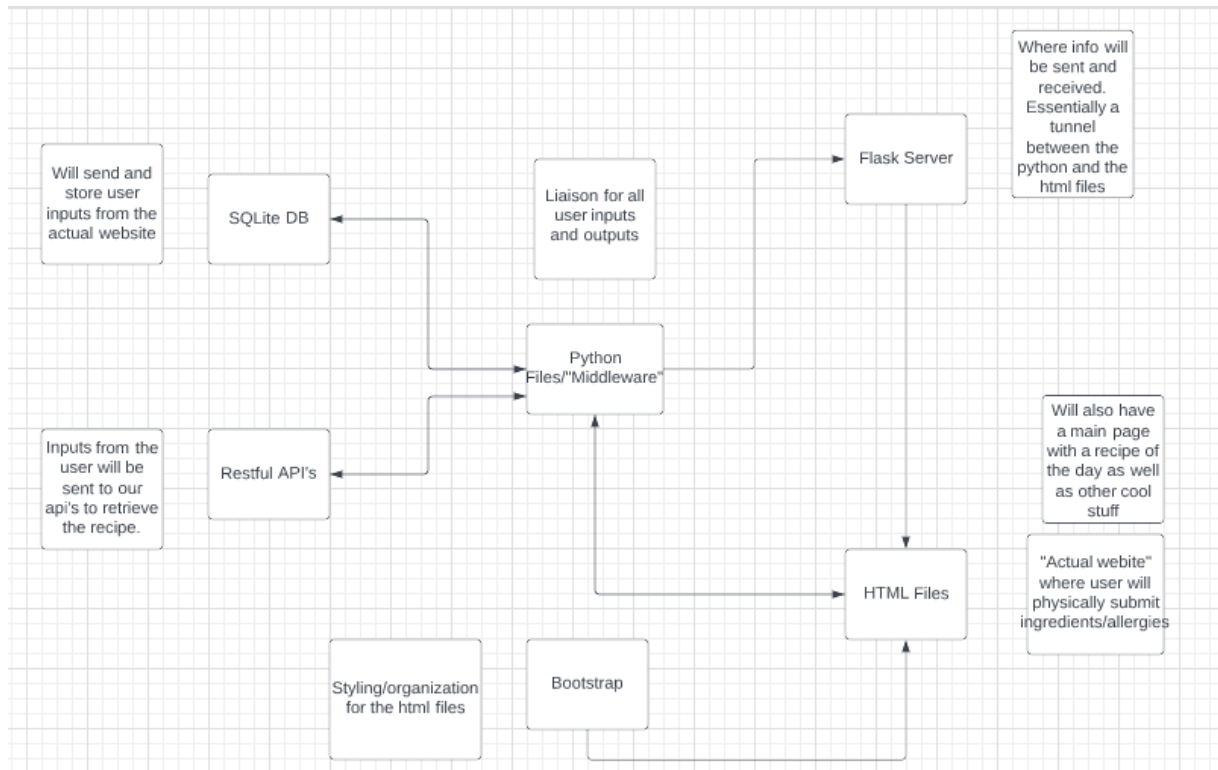
Breakdown of different tasks:

Sebastian: Frontend/DB
WanYing: APIs/Flask
Selena: Flask/APIs
Harry: Frontend/DB

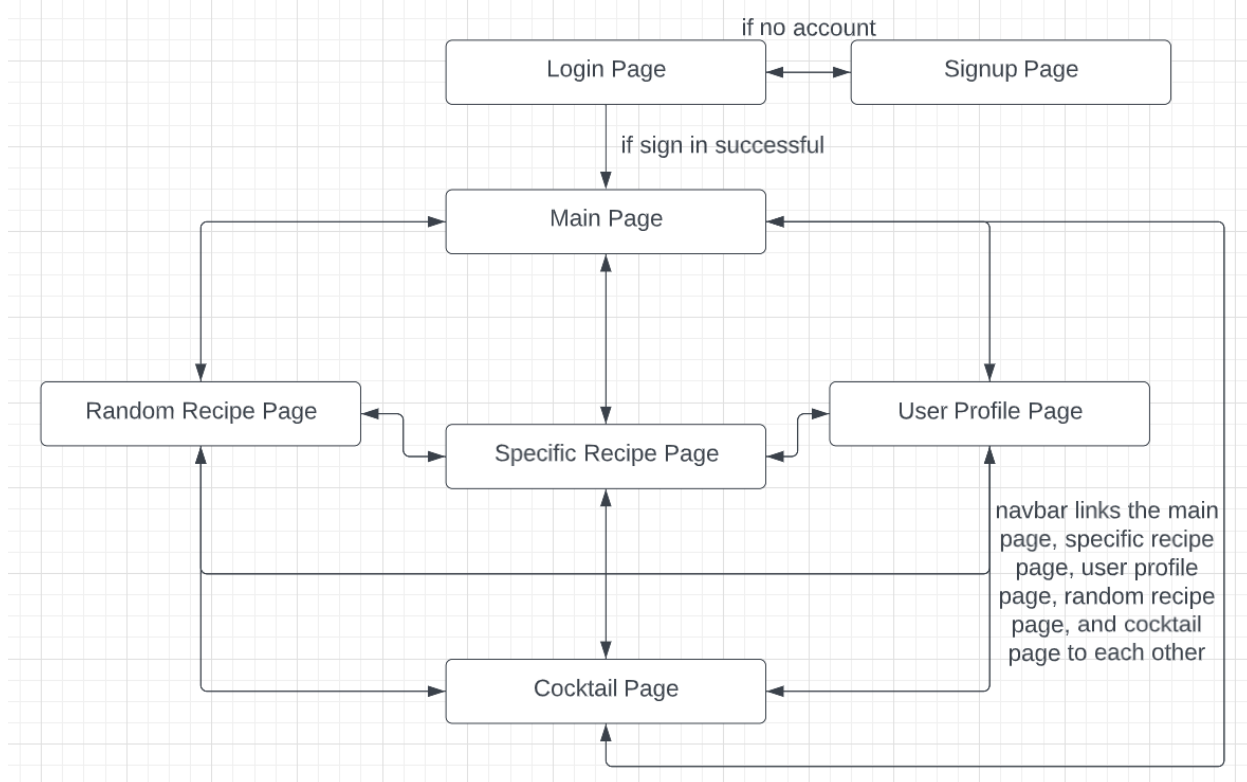
Components

- flask
- SQLite3
- Python "middleware"
- Bootstrap
- RESTful APIs

Component map:



Site map for front end:



Home Page

Home | Random Recipe | Specific Recipes | Cocktail

User Profile | Logout

TEAM NAME: Roster

Another cool little vine or image that can stretch all the way down

Recipe for the Day

Image of food

Title

Translate

Cool little vine or image that can stretch all the way down

random recipe page

Home | Random Recipe | Specific Recipes | Cocktail

User Profile | Logout

Title

Translate

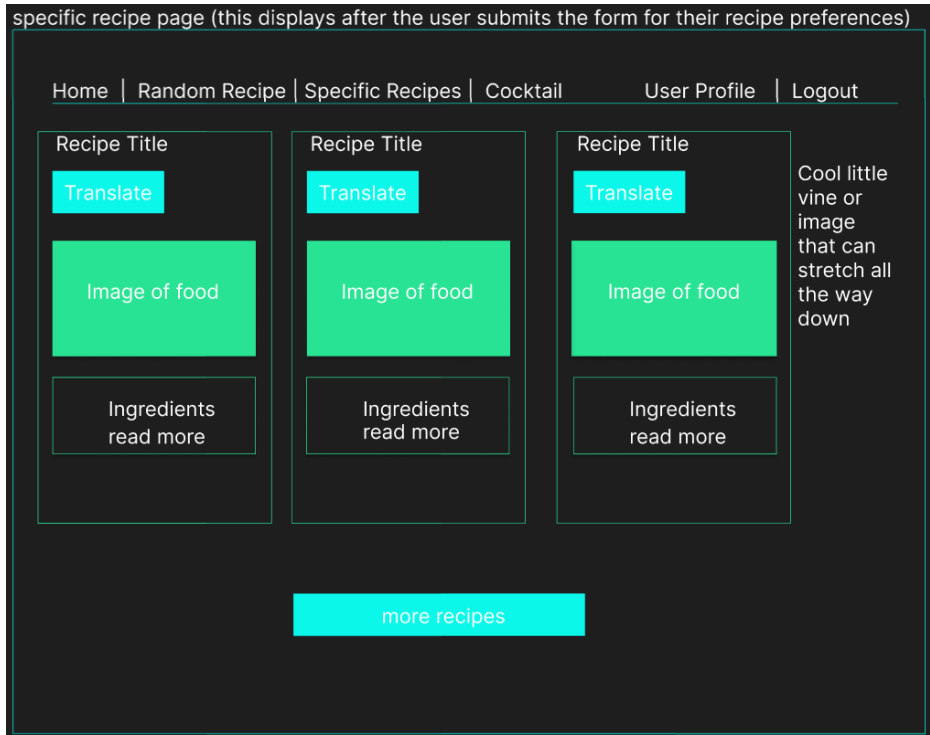
Another cool little vine or image that can stretch all the way down

Image of food

Ingredients

Get random recipe

Cool little vine or image that can stretch all the way down



- **Login page**
 - Form with Username Input, Password Input, Sign In Button
 - Link to sign up page
- **Sign up page**
 - Form with username input, password input, repeat password input, checkboxes for allergies, and sign up button
- **Main page**
 - Navbar: Home Page, Random Recipe, Specific Recipe, Cocktail Recipe, User Profile, Logout
 - Recipe for the day, will give a random recipe from the food api, as well as other cool stuff
- **Random Recipe Page**
 - Navbar: Home Page, Random Recipe, Specific Recipe, Cocktail Recipe, User Profile, Logout
 - For when you just want an entirely random recipe, no user input needed
 - Displays a random recipe button and a random recipe
 - Random recipe is provided with the food api
 - Page also displays a translate button which will allow the user to translate the recipe information into the recipe's origin language using the google translate API
- **Specific Recipe page:** Specific recipe given based off the ingredients submitted (uses the food api)
 - Navbar: Home Page, Random Recipe, Specific Recipe, Cocktail Recipe, User Profile, Logout

- Form with text input for what you have in your fridge/the ingredients you want to cook with, dropdown for what cuisine the user wants the recipe to be for, dropdown for what recipe type user wants (dinner, breakfast, lunch, snack, dessert), and submit button
- For example: Would be used for when you have random ingredients at home that you don't know how to cook together
- Once submitted, recipes matching criteria will be displayed
- Page also displays a translate button which will allow the user to translate the recipe information into the recipe's origin language using the google translate API
- **Cocktail Recipe Page**
 - Navbar: Home Page, Random Recipe, Specific Recipe, Cocktail Recipe, User Profile, Logout
 - Option to get a random cocktail recipe and filter by alcoholic or non-alcoholic using the cocktail API
- For recipe pages, recipes will have the allergy specifications that the user entered when they signed up
- **User Profile Page:**
 - Navbar: Home Page, Random Recipe, Specific Recipe, Cocktail Recipe, User Profile, Logout
 - Form with checkboxes allows users to edit their allergies

Database organization:

1. User Table: User ID | Username | Password
2. Allergies Table: User ID | Crustacean | Dairy | Egg | Fish | Gluten | Peanut | Sesame | Shellfish | Soy | TreeNut | Wheat
 - Each allergy is marked by true or false depending on whether or not the user is allergic to a certain ingredient or not
3. Cuisine Table: Cuisine | Language
 - A table which corresponds a cuisine with its language of origin for when we want to translate recipes into their original language

Api selections:

- Edamam API: Can search recipes by ingredients and get random recipes

- https://github.com/stuy-softdev/notes-and-code/blob/main/api_kb/411_on_recipies.md
- Cocktail API: Can search for recipes by keyword and get random recipes
 - https://github.com/stuy-softdev/notes-and-code/blob/main/api_kb/411_on_TheCocktailDB.md
- Google Translate: Used to translate recipes into their language of origin based on the cuisine type of the recipe
 - https://github.com/stuy-softdev/notes-and-code/blob/main/api_kb/411_on_google-translate-api.md

Resources:

<https://www.sqlite.org/cli.html> -link for info abt sqlite db