Rock Paper Scissors:: Wanying Li, Sebastian Ching, Harry Zhu, Selena Ho
SoftDev
P01
2022-12-02
time spent: 1.6
Target ship date: {2022-12-22}
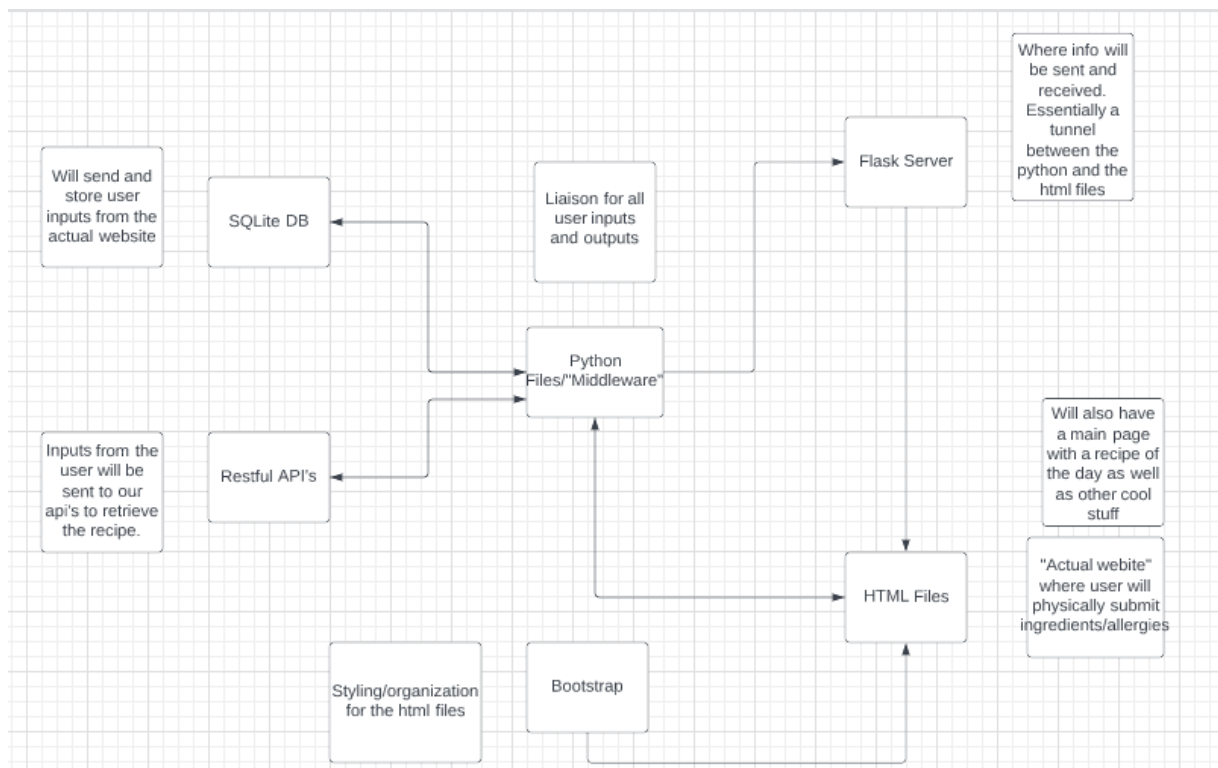

Breakdown of different tasks:

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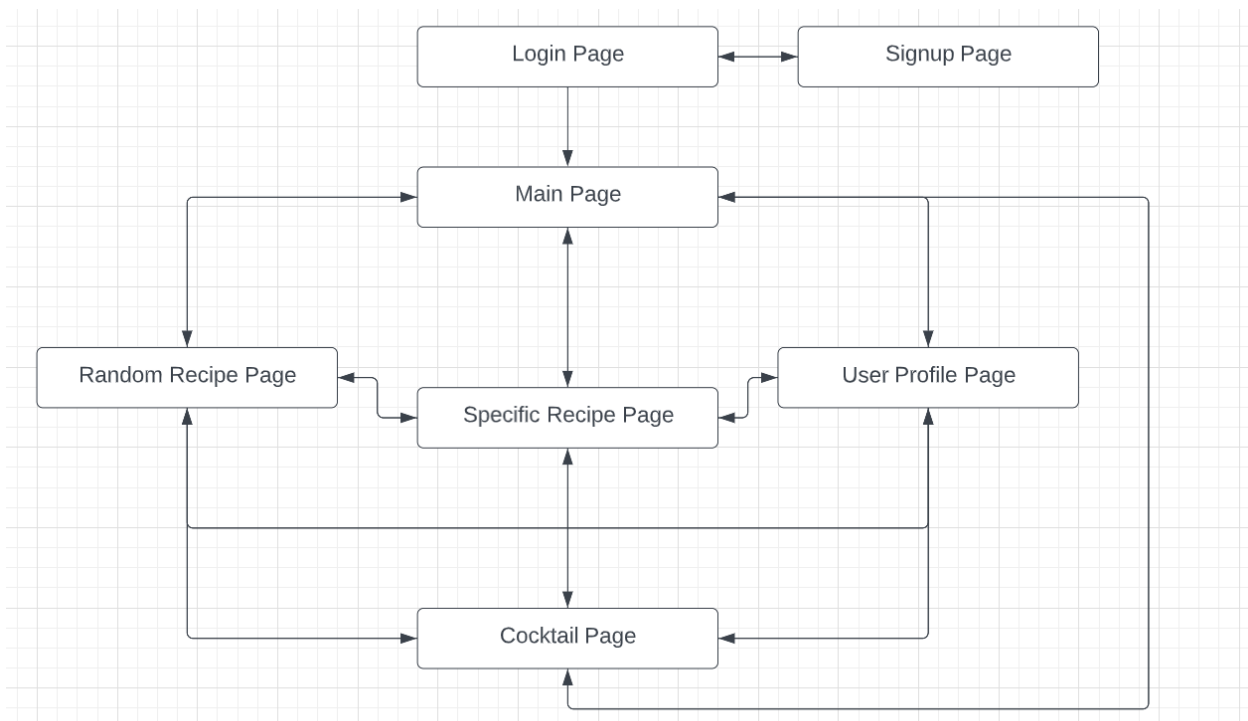WanYing: APIs
Selena: Flask
Harry: Frontend/DB

Components

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

Component map:

Site map for front end:

```
                    ┌──────────────┐        ┌──────────────┐
                    │  Login Page  │◄──────►│ Signup Page  │
                    └──────────────┘        └──────────────┘
                            │
                            ▼
                    ┌──────────────┐
          ┌────────►│  Main Page   │◄──────────────┐
          │         └──────────────┘               │
          │                 │                       │
          │                 ▼                       │
 ┌────────────────┐   ┌──────────────────┐   ┌──────────────────┐
 │ Random Recipe  │◄─►│ Specific Recipe  │◄─►│ User Profile Page│
 │     Page       │   │      Page        │   │                  │
 └────────────────┘   └──────────────────┘   └──────────────────┘
          │                 │                       │
          │                 ▼                       │
          │         ┌──────────────┐                │
          └────────►│ Cocktail Page│◄───────────────┘
                    └──────────────┘
```

- **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 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
- **Specific Recipe page:** Specific recipe given based off the ingredients submitted
    - Navbar: Home Page, Random Recipe, Specific Recipe, Cocktail Recipe, User Profile, Logout
    - Form with text input for what you have in your fridge, 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
- 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
- **Cocktail Recipe Page**
    - Navbar: Home Page, Random Recipe, Specific Recipe, Cocktail Recipe, User Profile, Logout
    - Option to get a random cocktail recipe, or filter by alcoholic or non-alcoholic
- 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: Username | Password
2. Allergies Table: Username | 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

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.

Api selections:

- 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
- 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
- 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