

Dark Lord Chuckles The Silly Pig: Thomas Zhang, Lauren Lee,
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SoftDev Pd 7
P04 -- Data
2023-04-28

Target Ship Date: 2023-05-22

Files Needed:

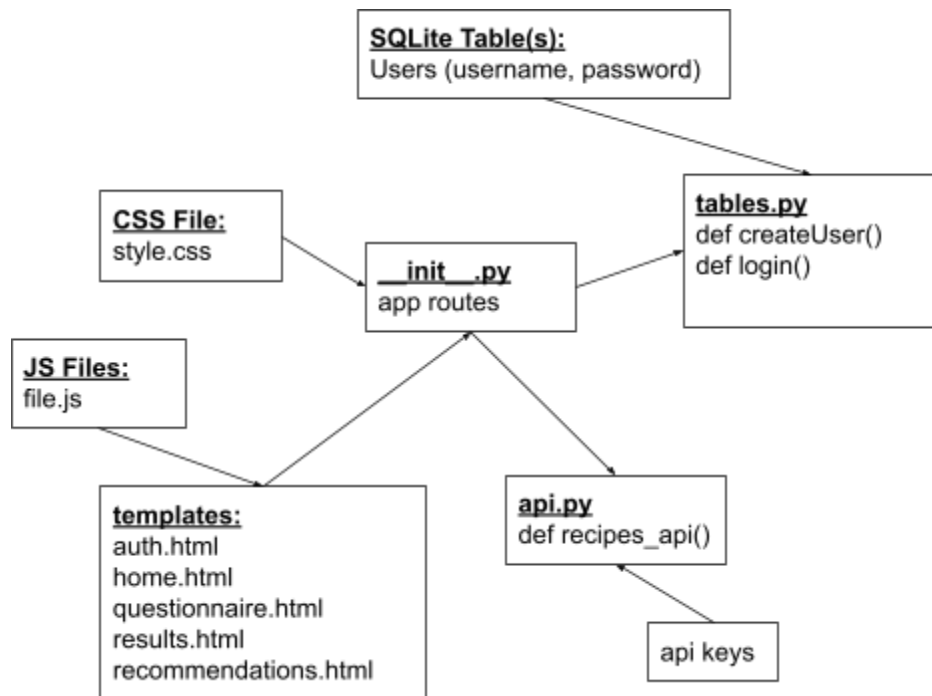
- HTML Files:
 - auth.html
 - home.html
 - Buttons to visualizations (ex: graphs, tables), recommendation pages if the quiz was taken
 - questionnaire.html
 - Health questions the user can answer (forms should avoid text response for easier matching with data sets) - questions can be option-based to determine what information is considered
 - results.html
 - Displays health results in visualizations
 - User can choose to omit information, manipulate, and interact with the visualizations
 - recommendations.html
 - Displays recommendations determined from datasets and APIs
 - Use visualizations to show how following recommendations can change their health trajectory
 - User will also be allowed to interact, omit and manipulate information
- CSS/Sass Files:
 - style.css
 - Extra CSS if needed
- JS Files:
 - script.js
 - Controls how the user interacts with the page

- Python Files:
 - heart.py, diabetes.py, life.py
 - Uses the questionnaire information to display the probability of being diagnosed with the conditions - will use pandas to manipulate data
 - healthRec.py, diabetesRec.py, lifeRec.py
 - Uses the data to provide recommendations and visualizations related to the recommendations
 - app.py
 - Flask app, includes logging in
- SQLite Database:
 - Tables for user registration
- API Files:
 - Recipes API

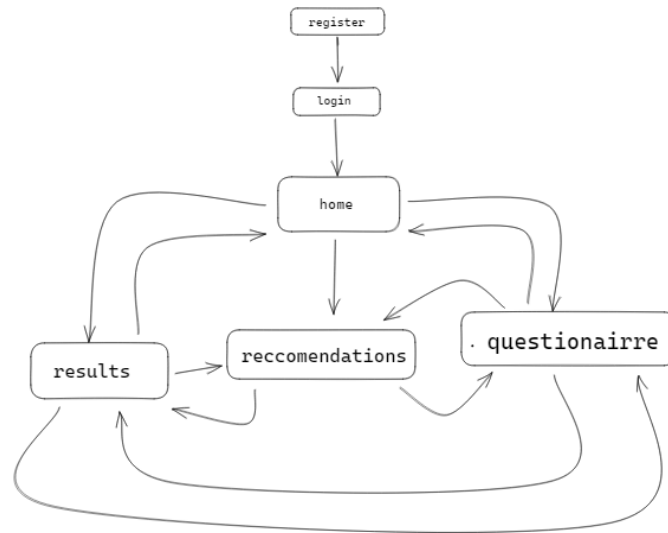
Front End Framework: Bootstrap

- Intend to incorporate bootstrap cards
- Bad experience with Foundation last project

Component Map:



Site Map:



Tasks:

- ☐ Questionnaire (Lauren)
 - ☐ <insert question here>
- ☐ Determining health (Lauren)
 - ☐ Height, weight, age, gender
 - ☐ Determining BMI
- ☐ Determining diet recommendations (Diana)
 - ☐ Macronutrients: Carbohydrates, Protein, Fats
- ☐ Determine exercise recommendations (Thomas)
 - ☐ Types of exercises

Stretch Goals:

- Utilize the Google Calendar API to create a custom diet/exercise calendar for each user

APIs:

- [Google Calendar](#)
- [Recipes](#)

Dataset:

- [Heart Attack](#)

- [Gym Exercise](#)

Ted Tools to Use:

- Sass
- Pandas

Idea:

- Based on user input, determine the user's health on a spectrum based on data sets
- Provide diet and exercise recommendations based on data sets
- Visualize the user's diet and exercise recommendations, as well as their health, using various diagrams, graphs, and tables
- Create a personalized schedule and calendar for the use to follow to attain ideal diet and exercise results