

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:

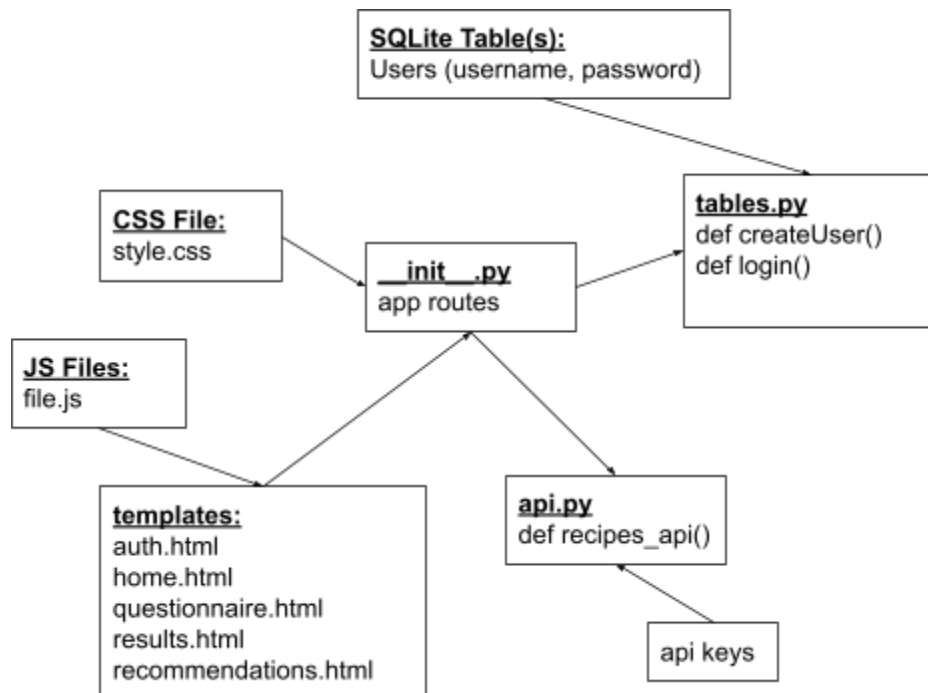
- HTML Files:
 - auth.html
 - home.html
 - Have buttons to visualizations and recommendation pages if quiz was taken
 - questionnaire.html
 - Bunch of health questions user can answer (forms should avoid text response for easier matching w data sets) - questions can be option to determine what info is considered
 - results.html
 - Display health results in visualization
 - User can choose to omit information, manipulate, and interact with the visualization
 - recommendations.html
 - Display recommendations determined from datasets and api
 - Use visualizations to show how following recommendations can change health trajectory
 - User will also be allowed to interact, omit and manipulate information
- CSS/Sass Files:
 - style.css
 - extra css if needed
- JS Files:
 - file.js
 - controls how the user interacts with the page
- Python Files:

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

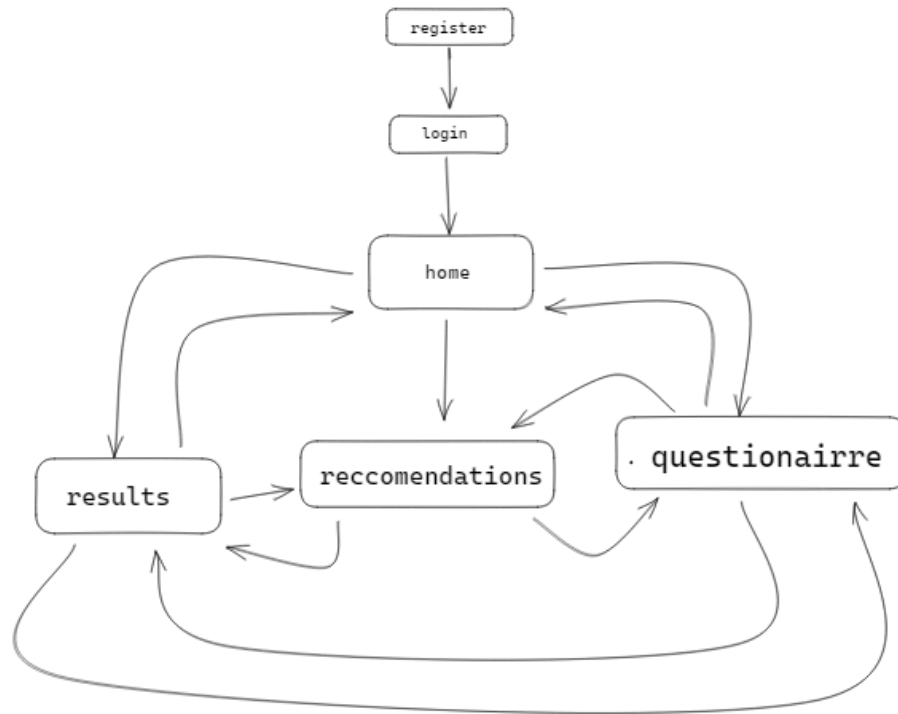
Front End Framework: Bootstrap

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

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:

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APIs:

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

Dataset:

- [Heart Attack](#)
- [Gym Exercise](#)
- More to be added

Ted Tools to Use:

- Sass
- pandas

Idea:

- Based on user input, determine health on a spectrum based on data sets
- Provide diet and exercise recommendations based on data sets