Introduction

My client is Hannah Li, who has a hard time picking out outfits from her clothing, and she becomes “late for school” as a result. She wants a program that can help her make outfits from the clothes she already has. Alicia Mao, one of my friends who is knowledgeable about fashion, will be my adviser. She is knowledgeable in both programming and fashion, and is also a close friend of Hannah and knows her tastes.

After informing me about the problem, I began to think of how I could solve that with a database program. I also decided to incorporate the database into a web application to make it more user-friendly, as my client is not familiar with programming and a terminal may be uncomfortable to use. We had one interview with emails that discussed some general features. We decided that a web application that links a database that stores clothing would work for the client. The client also wanted a feature that generates outfits, but we were then unsure about the implementation. Then, we continued the interview to discuss specific features. The interview is in the **appendix**.

When interviewing, Hannah also described how the data should be stored. For clothing, information on its color, style, and weather suitability are important in addition to the name of the article, the type of article, and a picture of the article. Outfits will contain data on the articles that it contains; in other words, it contains information on the tops, bottoms and accessories.

After finishing the proposal, I got my project reviewed and I started designing the interface.

Rationale

The program’s objective is to be a user-friendly application that helps the client choose outfits for inspiration and time management. As aforementioned, my client is not a programmer so having a friendly interface is important. Furthermore, the problem my client deals with is tied with time management, so efficiency is important.

The backend of this project will be in Python and SQL. I will be using the “SQLite3” library because it works well with python. The front-end will be in HTML and CSS, with the stylesheet from Bootstrap 4.0.

I will be using Flask, Bootstrap 4.0, Python, and SQLite3 for my project because:

- Bootstrap 4.0 makes website design more efficient
- Python is taught at my school, and has libraries to implement on web applications like Flask and Jinja.
- Flask can be used for implementing Python in web applications.

- SQLite can be implemented with Python and helps manage databases for the clothing

Success Criteria

These are the success criteria of the project:

1. The user interacts with a web application.
2. The user fills out a form to input information.
3. The user can input new pieces of clothing into the database.
4. The user can delete pieces of clothing from the database.
5. The user can update pieces of clothing from the database.
6. All the clothing can be displayed in a table on the web application.
7. Outfits can be generated from clothing in the database with specific color schemes and/or weather conditions.
8. Outfits can be saved in a database and edited or deleted later.
9. The client can make her own outfits manually.
10. Outfits can be displayed in a user-friendly manner that allows the user to visualize it.

Word Count: 423