Project proposal

Team number: 33
Team name: TT
Team member:

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Project Title

Outfit calendar

Summary

A calendar recording users' everyday outfits and recommending styling, helping people save time from deciding what to wear.

Description

Users can add clothing items with attributes (e.g. color, suitable season, type of clothing) to the closet in the app. Users can also add clothing items to their favorites. Users will record outfits on the calendar to create a wearing history. The app can recommend styling ideas based on the weather, occasion, color, and the records in the calendar.

Technically Challenging Features / Creative component

Our team proposes a **smart outfit recommendation** feature that ensures you're always dressed for the occasion. This feature will offer a weather-appropriate, color-matched outfit that balances your favorite pieces without over-wearing them.

To achieve this, we plan to implement a **quantitative scoring system** that ranks outfits based on a combination of weather suitability, frequency of wear, user's favorite clothing items, and aesthetic matching. This scoring system will involve multiple weighted algorithms to calculate the best outfit for the day based on the user's planned activities. We will integrate data from a **weather API** and present these recommendations in an **interactive**, **user-friendly interface**.

Usefulness

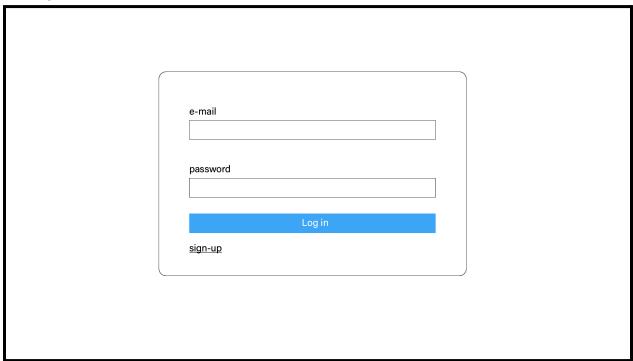
For **usefulness**, Outfit Calendar allows users to organize their closet by uploading images and data of their clothing items and track daily outfits using a calendar. It also recommends outfits based on weather and specific requirements when the user is unsure of what to wear. Unlike similar apps like Stylebook, Outfit Calendar integrates real-time weather and other user preferences for recommendations.

Realness

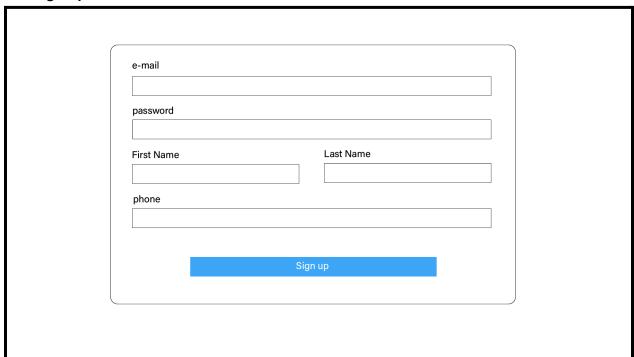
For **realness**, we are planning to utilize the "Fashion Product Images Dataset" in CSV format as our data source. It contains 44k products with images and multiple labels including category, type, suitable season, color, and usage.

UI mockup

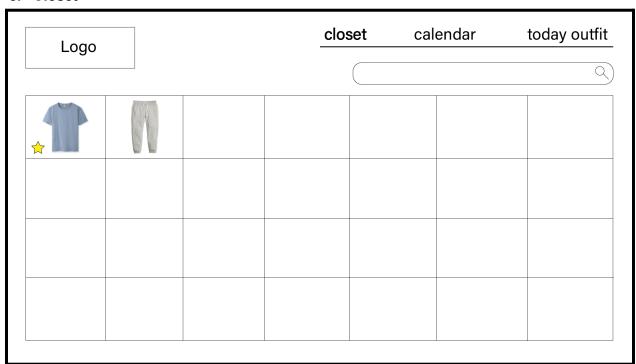
1. Sign-in



2. Sign-up



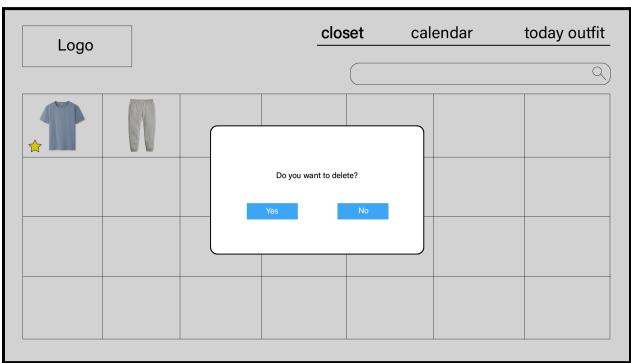
3. Closet



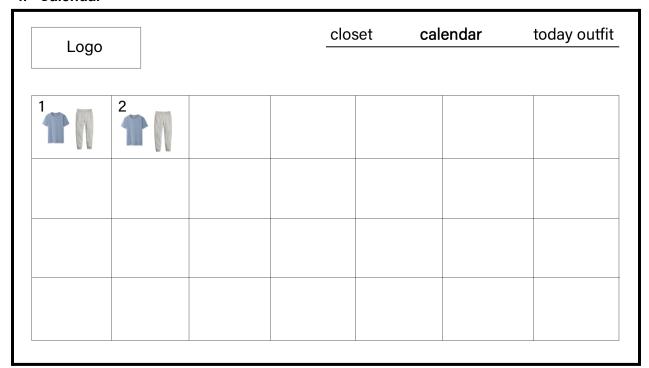
3.1 add item



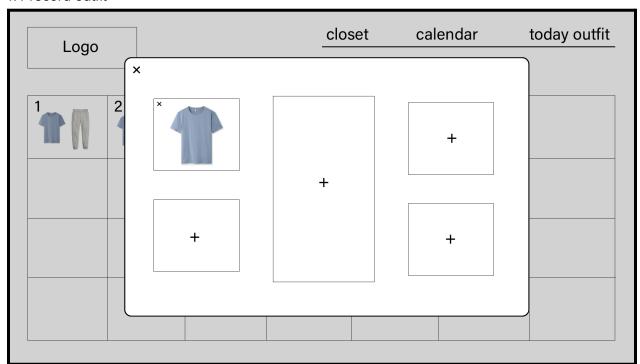
3.2 delete item



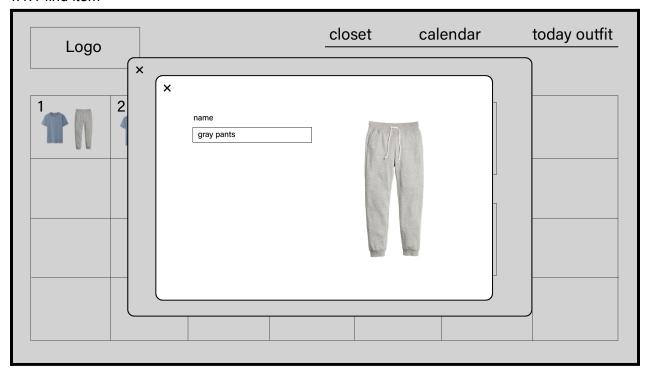
4. Calendar



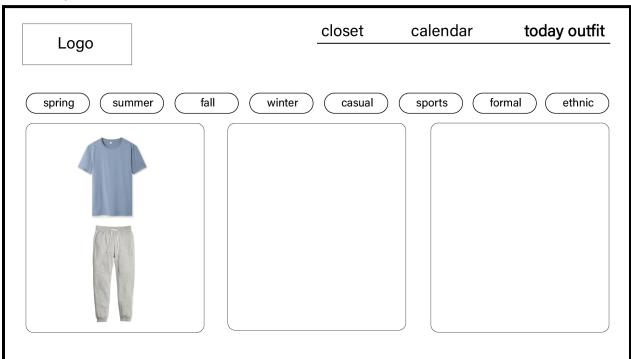
4.1 record outfit



4.1.1 find item



5. Today outfit recommendation



Project Distribution

Operations on Clothing Items (ex. CRUD operation, add-to-your-favorite function)

- Yu-Ting Cheng

Operations on Calendar feature (ex. Add/Remove Clothing items for any specific date)

- Yu-Chien Lin

Operations on Recommendation system (ex. Recommendation function, Fetching weather API)

- Supawit Sutthiboriban

Databases design (ex. Schema, Relationship design)

- Han-Chih Chang

Front End

- Everyone contributes on this part