

Closest

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High Level Ideas

Problem to address

- Wearing suitable and comfortable clothes is essential in daily life
- The right clothing can bring up a person's performance
- However, sometimes it is a challenging question about what clothes to wear.

App's fundamental idea

- Users can save their clothes images in the app
- App automatically gives the users a list of outfit suggestions based on their preference, the weather, holidays, and special events

Target Audience

- People who have a tough time deciding what to wear the next day

Use Cases and Requirements

Three main use cases

External Service

Check calendar for special events
(Google Calendar)

Check weather (OpenWeather API)

Real Time Updates

Get welcome notifications when the
user logs in

Non-trivial Logic

Request the app to give an outfit
suggestion

Requirements

Most important non-functional requirements

- The user should not need more than 5 steps to add a clothing item
- The user should wait at most 3 seconds when requesting for an outfit suggestion

Other important use-cases

- Get/Update user profile
- Get/Add/Update/Delete clothes items
- Add/Delete clothes Images
- Create outfits manually
- Update outfit preferences

Contribution of Each Team Member

John Li

- Implemented the User module and Outfit module on the backend
- Implemented the complex logic
- Completed the integration tests on the backend

Steven Yang

- Setup repository and basic backend structure
- Setup continuous integration and continuous deployment
- Setup and managed Azure VM, database, and deployment

Zhuoyi Li

- Implemented the Signup/Login, push notification, and weather use cases on the frontend
- Implemented the outfits and clothes use cases together with Jingyang
- Completed signup/login and get an outfit's UI tests on the frontend

Jingyang Sun

- Implemented app template, app theme, and calendar uses case on the frontend
- Implemented the outfits and clothes use cases together with Zhuoyi
- Completed add clothes test and non-functional tests on the frontend

The Most Important Lesson Learned from Project

John Li

- Always plan ahead and check Piazza posts often when meeting problems
- Have an effective communication with other team members is very important

Zhuoyi Li

- Keep working a little every week and you will be able to make an amazing app in the end
- Your teammates are always your strongest support

Steven Yang

- Using Azure, virtual machine, and deployment tools
- Goods and bads of JavaScript

Jingyang Sun

- The beginning is always the hardest
- Self-learning and connecting old knowledge with new are both important