

# Requirements for Closet App

## Part 1: Description of the project

Wearing suitable and comfortable clothes is essential in daily life. Some research even indicates that the right clothing can bring up a person's performance. However, sometimes it is a challenging question about what clothes to wear.

Many people may stand in front of their closet and have a tough time deciding what to wear the next day.

I will solve this problem by developing an app that lets users take photos of their clothes and save the images in the app. The app automatically gives the users a list of outfit suggestions based on their preference, the weather, holidays, and special events.

## Part 2: Use case diagram for all functional requirements

I put the diagram on the next page since it is a large image.

## Part 3: Non-functional Requirements

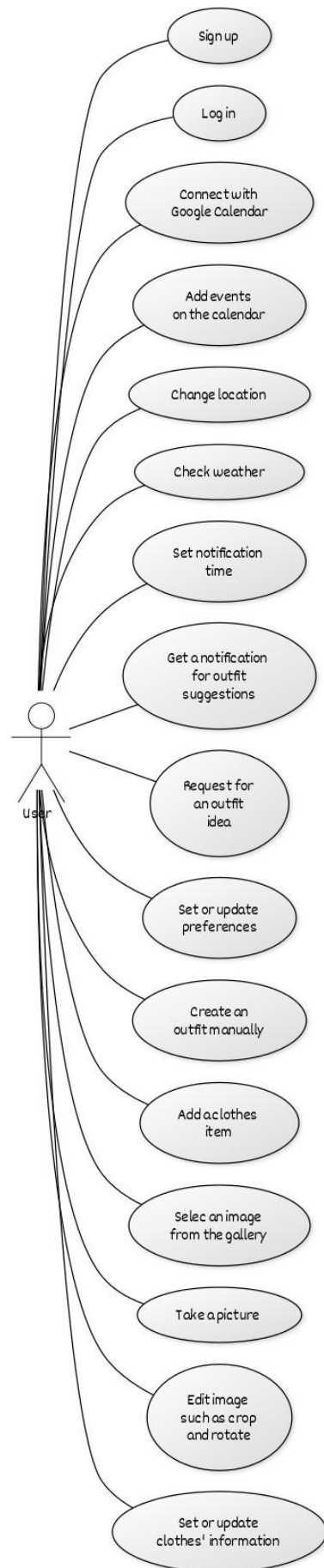
- Users should not need more than 5 steps to a cloth item.
  - This requirement ensures the app is user friendly.
- Users should wait at most 2 seconds when requesting for an outfit suggestion.
  - This requirement checks the app's performance

## Part 4: Main components of the system

Here is a list of main components

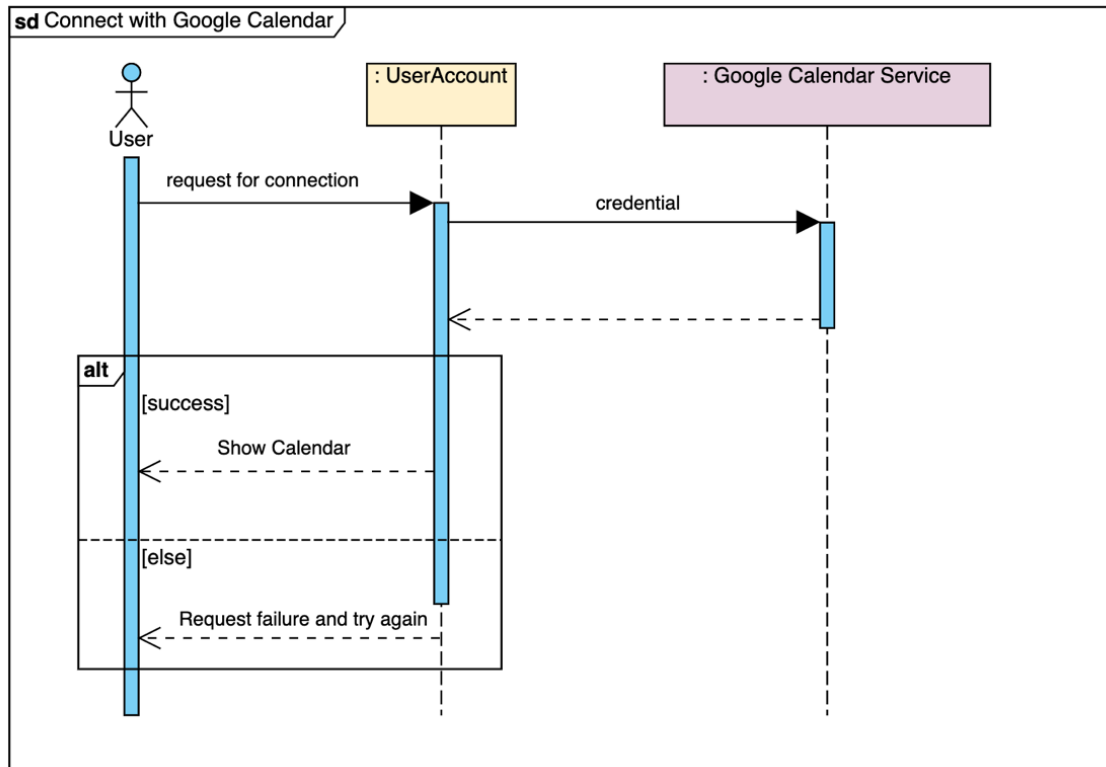
- ClothesDB
- ClothesSelector
- UserAccount
- Scheduler
- Weather
- Calendar

## Use case diagram (for Part 2)

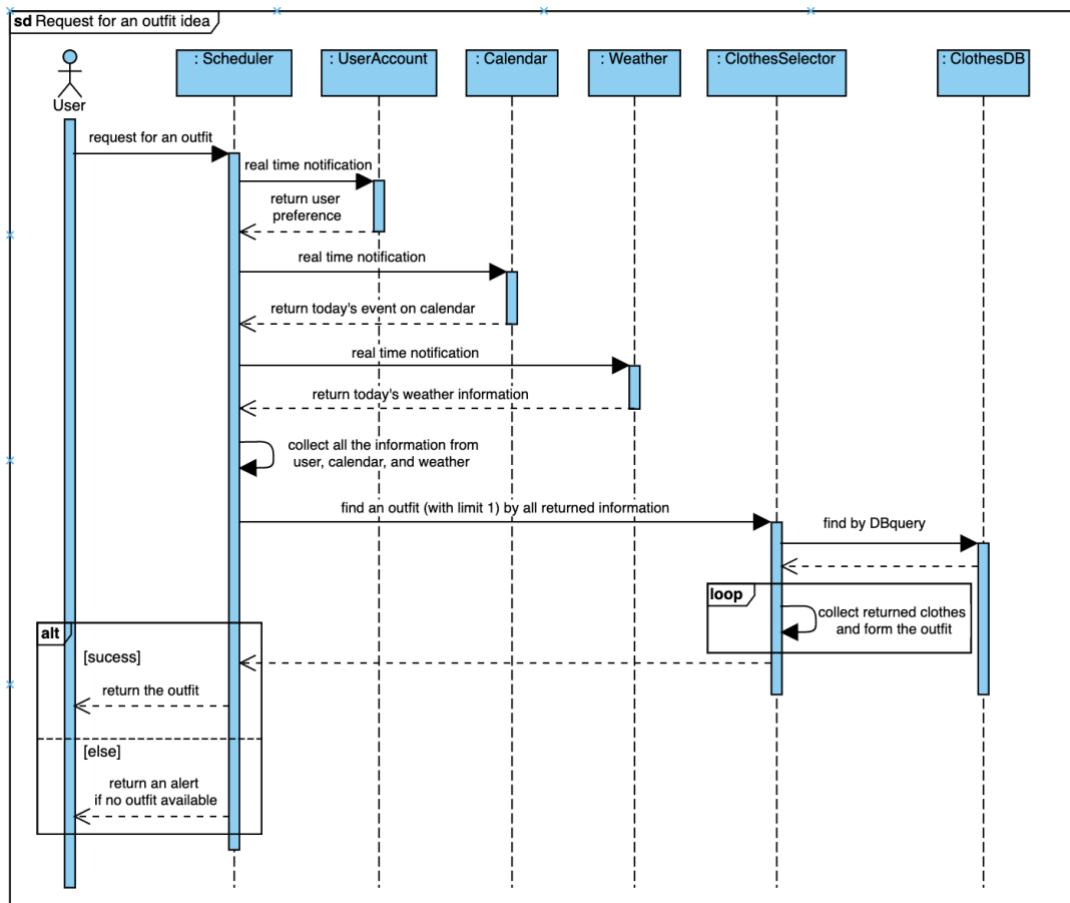


## Part 5: Sequence diagrams

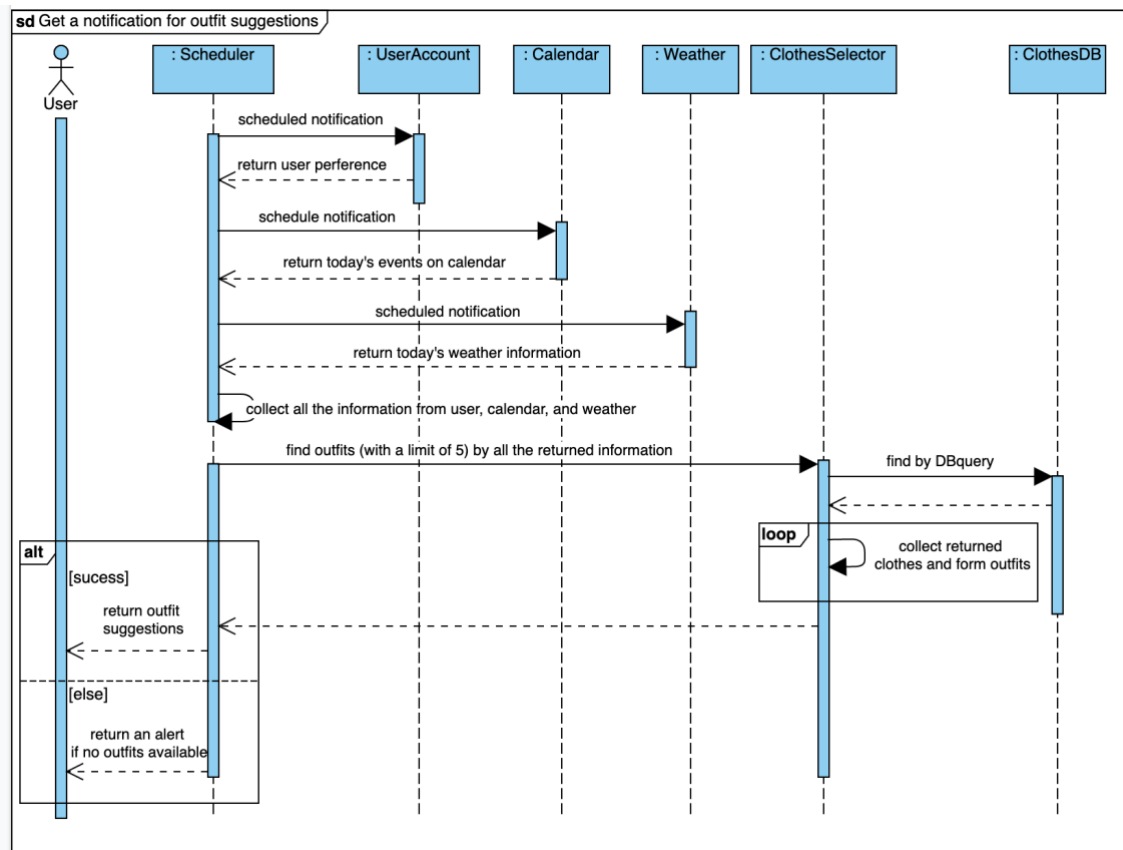
- External API Call (**Connect with Google Calendar**)



- Logic / Calculation (**Request for an outfit idea**)



- Push Notifications (Get a notification for outfit suggestions)



## Part 6: Main screen of the app

Here are the three main screen of my app: Closet, Weather, and Calendar.

