**Virtual Closet App**

**Team 20 Product Backlog**

### Problem Statement

People have a lot on their minds these days and sometimes it is hard to keep track of one’s closet and laundry. Our project aims to provide a virtual representation of a user’s closet and laundry basket using AI in order to generate personalized recommendations based on the everyday’s weather and user’s personal calendar.

### Background Information

1. **Audience and Domain**In our fast paced world, sometimes we just don’t have time to keep track of our clothes, pick out our outfits, and remember to do laundry. Our app will help users take inventory of their clothes, keep track of what’s in the laundry, choose outfits based on the weather and the event, and remember to wash clothes that are needed soon. This app does not have a specific target audience. Anyone can use this app. This app is intended to help users with their daily lives. The domain is organization.
2. **Similar Platforms**There are some similar apps to ours such as StyleBook, Cladwell, Smart Closet, and ClosetSpace. However, none of them have all of the features of our app.
3. **Limitations**StyleBook lets you take inventory of your clothes, but the app is not free and deleting the app deletes your inventory since you are not making an account. However, our app has the user make an account that is linked to their email.  
   Cladwell also recommends clothes based on weather and has the user make an email-linked account. However, it does not recommend clothes based on the event, and it does not keep track of your laundry, or remind you to wash clothes that will be needed soon.  
   Smart Closet is more focused on shopping and does not keep track of laundry.  
   ClosetSpace also syncs with your calendar (like we plan for our app to do) but it is shopping focused and does not keep track of laundry.  
   Frequently, it seems that the existing closet apps are mainly for organizing clothes, planning outfits and shopping. There are no features for keeping track of laundry, or getting reminders to do laundry. Our app will have these features.

### Functional Requirements

1. As a user, I would like to be able to register an account using my email and/or my Google account.
2. As a user, I would like to be able to login and manage my account.
3. As a user, I would like to be able to reset my password.
4. As a user, I would like to be able to sync my calendar with the app.
5. As a user, I would like to be able to take pictures of my clothes.
6. As a user, I would like to have the details of the items to be filled out automatically.
7. As a user, I would like to be able to add, remove, and/or edit details of all my clothing items.
8. As a user, I would like to be able to view all my items in the closet or in a specific category.
9. As a user, I would like to receive recommendations on what to wear based on the weather and/or my schedule.
10. As a user, I would like to be able to approve or decline the recommendations.
11. As a user, I would like to be able to receive new recommendations if I decline the old one.
12. As a user, I would like to be able to say that an item is my favorite.
13. As a user, I would like to be able to mix and match items in my closet.
14. As a user, I would like to be able to save an outfit combination that I like.
15. As a user, I would like to be able to see the items on myself. (if time allows)
16. As a user, I would like to be able to see what items are in the “Laundry”.
17. As a user, I would like to be able to add and remove items from the “Laundry”.
18. As a user, I would like to be able to tell if an item is in “Laundry” from the main closet.
19. As a user, I would like to be reminded to wash an item if I need the item for a future event.

### Non-functional Requirements

**Performance**

We aim for the AI to be able to recognize an item within 5 seconds with 80% accuracy.

We aim for the application to be able to process and update a new item to the user’s closet within 1 second with no need to exit/refresh the application.

**Compatibility**

We aim for the application to be compatible for both Android and iOS devices with the AI feature.

We aim for the app to be able to sync with multiple calendar platforms, including Google Calendar, Apple Calendar, Outlook Calendar, etc.