Closet Companion

The Avengers:
Nicholas Malamud, Ian Murphy, Blake Jaeger, Kyle McCollum, Andres Hinojosa, Alfonso De La Cruz

Why?

- The average american today spends hundreds to upwards of thousands of dollars a year on clothing.
- Eventually these clothes get piled up or get shoved into closets and drawers.
- This can lead to clothing been forgotten and hardly worn or even never worn at all
- The goal of Closet Companion is to help organize and track any clothes you currently have and those you buy in the future
- Users can catalog their clothes in order to better keep track of their options when deciding what to wear.

Potential Features

- Store User's closet (all pieces)
    - Add clothes by assigning: name, picture, specifics(type, size, brand, age)
    - Search bar to make finding things easier
    - Filters
- Track clothes status
    - Location
    - Planning on getting rid of
    - Last worn & frequency
    - Clean/dirty/washing
- Combine Clothing
    - Create and save outfits that you like

Outstanding Features
(If time allows)

- Online Server
  - User Profiles
    - Ability to log in to a profile
    - Store Closets

- Share Closets with others
  - View others' closets via Profile
  - Ability to *like* outfits of others

- Morning notifications to suggest outfits
  - Based on factors such as:
    - Weather
    - Occasion

- 3D Features
  - Ability to 3D scan clothing
    - AR clothing mirror
    - View and try on others' clothing
    - Change color or customize scanned clothing

OUTSTADING

UI Design

- Pages:
  - Main Menu
    - 4 **buttons** for create clothing, create outfit, create closet, view owned
  - **create clothing** object and input info
  - **create outfits** by assigning clothing into it
  - **create closets** and assign clothes/outfits into it
  - **display**/query **all** clothes/outfits/closets
  - **view clothing** object and set/view status
  - **view outfit** object and look at clothes in it
  - **view closet** object and view clothes/outfits in it

Kotlin Concepts

- RecyclerView
  - Dynamic Infinite scroll of items for viewing
- Notifications
  - Morning notification suggesting outfits
- ViewModel
  - Hold and manage UI data
- LiveData
  - Allow app to control stream of changing data
- Permissions
  - Library, Camera, Notifications

Kotlin Concepts (continued)

- APIs
  - Public APIs
  - Android Interfaces
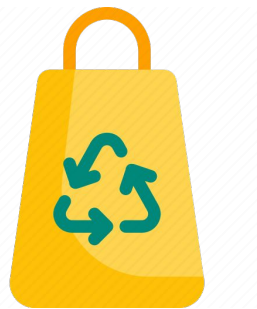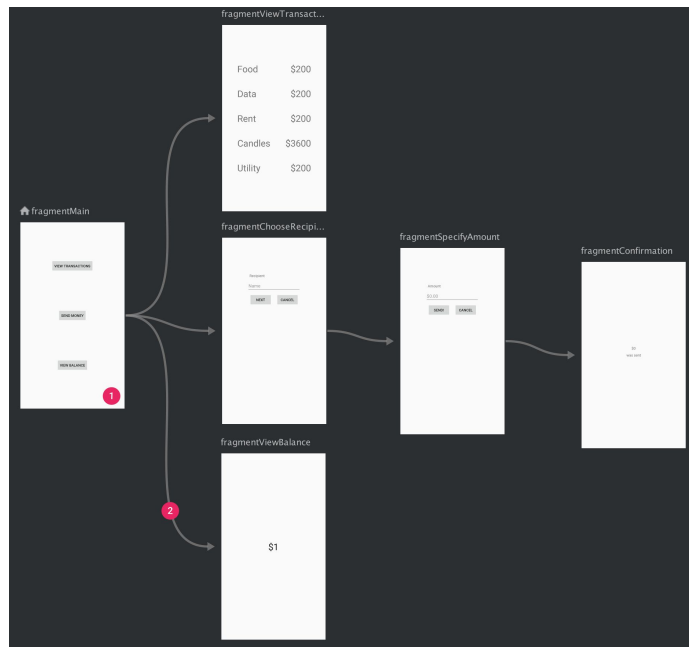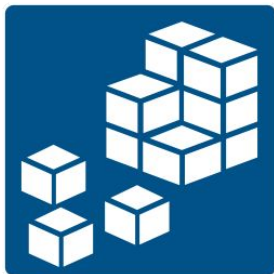 - Our own Interfaces

- Firebase

Kotlin Concepts (continued)

- Fragments

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- Navigation

- Unit Test (Devops)