Executive Summary

Application features

Wearchive is a tool that helps users to manage and organize their wardrobe. Users can archive items such as clothes, shoes, and accessaries into the mobile wardrobe. Wearchive allows users to store different kinds information about an item including: product photo, brand, color or pattern, fabrics, storage location, care instructions, price, and more. Users can view, edit, and delete their items as needed in the application. Wearchive is also embedded with search feature to quickly find specific items by entering keywords.

Wearchive will assist users to making the best use of their clothes. When concerning about outfits before attending a special occasion, you can use the app to quickly review which pieces are best choices. With a couple of keywords entered, Wearchive will find out similar items you own to help avoid buying same kinds of clothes. What's more, this app makes it much more convenient to find the clothes you stacked at the bottom of your closet last winter.

Technical details

Wearchive has a tab bar controller that contains two tabs, Archive and Wardrobe. Archive takes you to the view controller of creating new items, where you can upload photo of clothes, choose types, fill in more details with the help of textfields and picker views. Buttons of archive and discard is located at the bottom, to help you confirm editing or quickly clean all input sections. The second tab view, Wardrobe, is the place you can search and manage your clothes. A table of items user has archived will be display in the view. A search bar at the very top allows users to enter keywords and retrieve related items shown in the wardrobe.

When user selects an item, a scroll view will show up and demonstrate item photo, and a bunch of attached detail information. The photo displays as a header with sticky effect when user scrolls up and down. I implemented GeometryReader to keep track of the scroll view's vertical coordinate for re-calculating the photo frame size. In the navigation bar, a bar button sits on the right, for user to edit the item's details by instantiating an update view.

I handle all the items' data using Core Data framework. It provides a prompt support to perform functions such as add, delete, and update. It also helps keep views and data synchronized by providing persistent data sources.

Wearchive is a iPhone app with portrait orientation only. It supports dark mode.