

Name of project: UTSwap

Team members: Han-Pei Chiang, Yang-Kai Hsieh, Jessica Trejo

Dependencies: Xcode 12.5.1, Swift 5.4.2

Special Instructions:

- Use an iPhone 12 Pro Max Simulator
- Before running the app, run "pod install" inside the UTSwap folder where the podfile is located
- Use this test account for logging in:
 - Email: utstudent@test.com
 - Password: utswap21
- Keep in mind that the chat and buy items will not show if it is your own item
- Keep in mind that the profile path button would be disabled if user is not logged in

Required feature checklist

- ☒ ~~Login/register path with Firebase.~~
- ☒ ~~"Settings" screen. The three behaviors we implemented are:~~
~~(fill in) 1. Dark Mode 2. Color Scheme 3. Chat Font Style~~
- ☒ ~~Non-default fonts and colors used~~

Two major elements used:

- ☐ ~~Core Data~~
- ☒ ~~User Profile path using camera and photo library~~
- ☒ ~~Multithreading~~
- ☐ ~~SwiftUI~~

Minor Elements used

- ☒ ~~Two additional view types such as sliders, segmented controllers, etc. The two we implemented are: (fill in) 1. Segmented Controller 2. Switch~~

One of the following:

- ☒ ~~Table View~~
- ☒ ~~Collection View~~
- ☐ ~~Tab VC~~
- ☐ ~~Page VC.~~

Two of the following:

- ☒ ~~Alerts~~
- ☒ ~~Popovers~~
- ☒ ~~Stack Views~~
- ☐ ~~Scroll Views~~
- ☐ ~~Haptics~~
- ☐ ~~User Defaults.~~

At least one of the following per team member:

- ☒ ~~Local notifications - Han-Pei Chiang~~
- ☐ ~~Core Graphics~~
- ☐ ~~Gesture Recognition~~
- ☒ ~~Animation - Yang-Kai Hsieh~~
- ☐ ~~Calendar~~
- ☐ ~~Core Motion~~
- ☒ ~~Core Location / MapKit - Jessica Trejo~~
- ☐ ~~Core Audio~~

Work Distribution Table

Required Feature	Description	Who / Percentage worked on
Login / Register	Allows the user to create an account and login	Han-Pei (100%)
UI Design	Team shared equally in designing the wireframe for the app, and selecting colors and fonts.	Han-Pei (33%) Yang-Kai (33%) Jessica (34%)
Settings	Allows the user to change color theme, darkmode, etc	Jessica (100%)
Profile path	Allows users to change credentials like First and Last name, address, profile pictures, and upload these changes on Firebase. Also includes functionalities of sign out and delete accounts.	Yang-Kai (100%)
Item Sell	Allows user to sell an item. Includes title, price, date & time (compact picker), location, ability to upload photo/take picture, and category (picker).	Han-Pei (80%) Jessica (20%) (Firebase Database, Firebase Storage)
Item Buy	Allows users to purchase an item. Includes a category table vc, feed collection vc, and item buy page. Also prompts users with an alert before purchase & notification after purchase. Includes a like function to add liked items to homepage popover.	Han-Pei (40%) Yang-Kai (20%) Jessica (40%) (Firebase Database)
Homepage	Allows users to select buy or sell options and check liked items. Includes an animation slideshow on example goods and popover VC for liked goods, profile picture, and select icons for chat and selling items	Yang-Kai (100%)
Item Feed	Grabs items in firebase database and list the items in a collection vc feed for users to browse.	Han-Pei (70%) Jessica (30%) (Firebase Database, Firebase Storage)
Chat	Allows user to message owners of items for more information.	Jessica (100%)
Selling/Sold Goods	Allows user to see items they are currently still selling and items they have sold.	Han-Pei (100%)

