

CS329E

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README File

App Name: Fair Share

Purpose: Fair Share's purpose is to allow roommates buying groceries together to split up the bill fairly. It does this by allowing users to vote on the items they will and will not use, and splitting up the price of each item according to these votes.

Dependencies:

- **Swift** Version: 5.0
- **Simulator:** iPhone 15 Pro Only
- **Packages:** FirebaseAuth, FirebaseFirestore, FirebaseStorage
 - These should already be in there as needed though.

Pre-loaded Data:

There are four accounts loaded in a group together for y'all to look at. The accounts are as follows:

1. Username: juliet@gmail.com, Password: password
2. Username: sarah@gmail.com, Password: password

3. Username: caroline@gmail.com, Password: password
4. Username: olivia@gmail.com, Password: password

There are two trips already created, “Housewarming groceries” (owned by Juliet, and which has not been voted on at all) and “HEB Run 11/28” which is owned by Sarah and has been fully voted on by all roommates in the group. You can see in the “HEB Run 11/28” overview how the totals for each roommate (\$35.75, \$25.79, \$22.57, and \$18.61, respectively) add up to the grocery run’s full price, \$102.72. It is worth mentioning that if there are certain items where every single roommate votes they will not use it, the totals will not add up correctly, because nobody will be charged for that item, but realistically, there should be at least one person using each item.

Required Feature Checklist

- ☒ "Settings" screen. The two behaviors implemented are:

(fill in) Dark mode, Public Trip Editing

- ☒ Non-default fonts and colors used

↳ When off, only the trippowner (the one who created the trip) can delete the trip, delete items, add items. When on, any group member can modify it. See how the delete buttons & Add item buttons go away/show up (for non-owners) in Display GroceryTrip VC.

Two major elements used:

- ☒ Login/register path with Firebase
- ☐ 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 implemented are: (fill in) Sliders (see settings), Tab bar VC

At least one of the following:

- ☒ Table View — custom grocery CV, custom settings CV
- ☐ Collection View
- ☐ Tab VC
- ☐ Page VC

At least one of the following:

- ☒ Alerts — see Add group, Join group, delete profile, New trip, Delete Item, Change Vax
- ☐ Popovers
- ☒ Stack Views
- ☐ Scroll Views
- ☐ Haptics
- ☐ User Defaults

At least one of the following:

- ☐ Local notifications
- ☐ Core Graphics
- ☐ Gesture Recognition
- ☐ Animation
- ☐ Calendar
- ☐ Core Motion
- ☐ Core Location / MapKit
- ☐ Core Audio
- ☐ Firebase (if not used to fulfill Major Element requirement)
- ☒ Core Data (if not used to fulfill Major Element requirement)
- ☒ Other (such as QR code, Koloda, etc.) with approval from the instructor – list them

↳ Firestore (Bulko gave me approval)