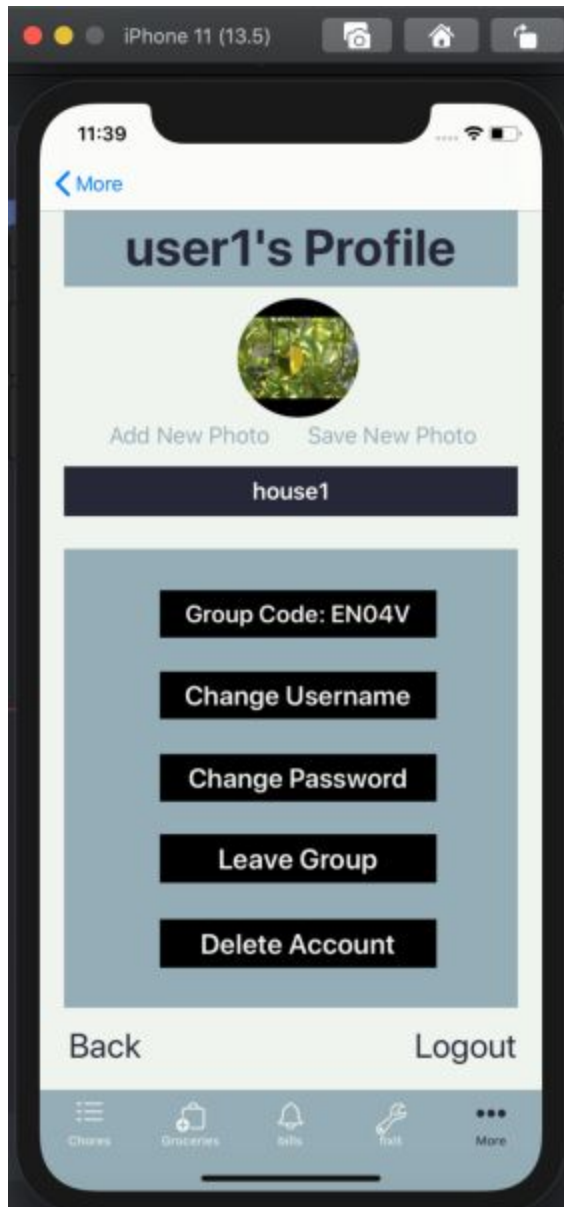


Unit Tests for Profile Page



- For testing the profile page, I used print statements to the console for every button to let me know if the action succeeded or failed. For example, when changing password or deleting account, I would print "succeeded" or "error" in the console if the email and password were valid for reauthentication to complete the action.

- I manually tested adding and saving a new photo and changing username. After choosing setting an image or changing username, I would go back to a different tab and then come back to profile to make sure the changes stayed.

- I also verified that changes were updated in the Firebase Database. For changing username, photo, and leaving group, I would check the database fields and values under "users". The value for user would change in the database and also show at the top of the screen after returning. The value for group would be deleted after leaving and then added again with the new group created or joined. The photoURL should update after choosing a new photo to save.

- For delete account, I checked if the information was deleted from the database and tried to log back in with the same info.

```
users
├── 9TeV330tgYduX2wjgbnRlCYMdjQ2
│   ├── Group: "EN04V"
│   ├── email: "test1@mail.com"
│   ├── photoID: "0E2EC5B1-0302-4A0C-A798-3E2D485577DD"
│   ├── photoURL: "https://firebasestorage.googleapis.com/v0/b/hou..."
│   └── user: "user1"
```



- After I tested for myself through console, I wanted to let the user know if they were able to change their password or not. I added a warning label that would appear on screen if the email and password were not valid.

- I also added Back buttons so that users could go back if they changed their mind or accidentally clicked a button.