

Austin Dollar

CSCI 490 Capstone

10/4/21

Professor Sam Siewert

Requirements

R1) User Account Creation

R1a. Shall allow users create an account and log in, logout

R1b. Shall allow users to select either owner or renter upon account creation

R1c. Shall Allow auto login so logging in every time you launch the app is not necessary

R1d. Shall Allow users to add their name to the account

R1e (Stretch goal/ Version 2). Users can add a profile picture

R2) Adding a post

R2a. Shall allow owners to add properties to the database via a "listing"

R2b. Listings shall contain image(s) of the property, as well as basic property details, and information about the owner

R3) Booking a listing

R4a. Shall allow users to see a list of properties available for booking

R3b. When a property is selected, shall allow the user to book said property via a calendar

R3c (Stretch goal/ Version 2). Shall allow users to filter property results by property details

R4) (Stretch goal/Version 2) Allow users to select another user and view their profile

R4a. Profile shall contain listing(s) and rating for owners, just a rating for renters

Test Cases

R1) Upon application launch, users will be able to create an account and/or log into their account, as well as log out. The application will reject the creation of an account with an email already associated with an account.

R2) Owners will be able to create a listing available for rent, including adding a description and images of the property via the “add a listing” interface.

R3) Renters will be able to view available properties for rent, as well as book any given available property for renting via the standard homepage view of properties.

R4) (Stretch goal) Renters will be able to view the profile page of an owner before they book a property, and likewise, owners will be able to view.

Progress:

Requirements and test plans are listed above. Design plans, meanwhile, have not changed (see proposal submission for design diagrams and wireframe prototype). Testing, meanwhile, must, unfortunately, be done by hand, as mobile app testing is difficult to automate. Regression testing will be done upon completion of each major requirement milestone, with testing being redone on all previously completed requirements.

Prior to the final submissions, I plan on working on the design as stated above, and implementing it via Dart, Flutter, and Firebase.