CS 4720 - F17 - Final Project Documentation

Device Name: Nexus 7   Platform: Android

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App Name: SubletFinder

Project Description:

Our app, SubletFinder, allows users to browse sublets that other students have posted (into a Firebase Database) or add their own sublets. In addition, it can send emails to potential subletters, and it shows an objectively bare view of the buildings that are classified as "housing" at UVa for the user to look at.

What we propose to do is create an app that will do the following:

- The system shall allow a student to create a profile using their email
- The system shall allow a student to login with their email/password
- The system shall dynamically read from the UVa buildings API and display the buildings that are classified as "housing";
- The system shall allow for emails to be sent from user to sublet owner
- The system shall allow the user to view a list of sublets available to them via a Firebase Database
- The system shall allow a user to list their sublet, if applicable.
- The system shall allow a user to pick an image off of their library and associate it with their sublet

We plan to incorporate the following features:

- Build and consume your own web service using a third-party platform - We will use Firebase as our database backend for the system.
- Using the camera to take a picture or choose a picture from the library to associate with a sublet
- Consume a pre-built web service - We will parse the data provided by the UVA Buildings API
- Open shared activity / features - We will provide the student with the ability to email regarding a sublet inquiry.

Wireframe Description:

Our wireframe shows the basic layout we are envisioning for our app. After the launch screen appears, a user can either login or register for an account.. After logging in or registering, the user is presented with a list (from Firebase) of the available sublets at UVa. The user can click on these to see them in more detail, and send the leaser an email. The user can also tap a button to list their own sublet. If they wish, they may also upload a picture from their camera to include. Another button the main view redirects to a page that displays the data taken from the UVa buildings API, specifically the buildings here that are categorized as "housing" so the user can see what on-Grounds options are available.