Install Document

for

No Kill Louisville Android

App

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Introduction

The NKL Android App is based off Firebase and Acuity. Firebase is the hosting service while Acuity implements several functions local to the application. For a broader view of the app, please check out https://github.com/ImaniChristianne/NoKillLouisvilleAndroidPhoneApp . The repository has all the documentation, and source code included.

Tools

There are a couple of tools needed to get the app running on an emulator or your physical phone. Apart from that, security testing rules are done in JavaScript per request of the Firebase security rules for Android Apps guidelines (links included at the bottom of the page).

1. Android Studio

2. Visual Studio Code

3. Git Bash

4. Firebase online platform (Console)

5. Acuity online platform

Installing the first 3 tools is as easy as a Google search (links included at the bottom of the page). You can also use a student package to get free access to these tools. The last two tools demand detailed explanation, follow on Installing in Steps.

Installation in Steps

1. If you are not currently using it, the first step is to get Android Studio. Here is a wonderful guide to installing this cool tool (https://developer.android.com/studio/install).

2. Install Visual Studio Code if you do not already have it (https://code.visualstudio.com/download). This is straightforward clicking on the OS for your device and following the install prompt after downloading.

3. For ease of use and for app testing, download Git Bash (https://git-scm.com/downloads) . This will assist with cloning the project, managing repositories, managing branches, commits and more. Read more on how to use git here (https://github.com/git-guides/install-git) .

4. Firebase for Android Applications and how to get started in more detail (https://www.youtube.com/watch?v=dRYnm_k3w1w) . This project underwent several prototypes so watching this short video and following along will give you a great overview of the basics of setting up your firebase console and how to sync it with Android Studio.

5. Visual Studio Code and security testing explained by the experts in Firebase (https://www.youtube.com/watch?v=VDulvfBpzZE) . This is a neat video that shows how to use a local emulator to clone the database and test it using the testing functions that are available with Firebase's spark plan (https://firebase.google.com/pricing/) .

Once you have successfully completed steps 1-5, you should have understood that you need a JSON file from Firebase that is created using a unique SHA1 key. This JSON file is dragged to the project folder (app folder) and it is used to identify your project with Firebase. Once your project is recognized, you should be able to run the same NKL app with your unique ID. Another point would be to understand how to use the emulator to test your functions.