**Installation Instructions**

All of the bugs have been seeded in the front end (Android application) for this project. All you need to do to install the app on and android device. Open this document on your phone, make sure sideloading apps is allowed on your phone.

**Actual Device**

To enable sideloading on an android device, go to your settings app, and in the security section, enable “Unknown sources: Allow installation of apps from sources other than Google Play store”. This might differ between phones, so just do a quick google search to figure out how to enable sideloading on your android device.

After that, install the desired apk:

Bug seeded version: <https://www.dropbox.com/s/2igfxatsjvx4h23/app-bugged.apk?dl=0>

Release version: <https://www.dropbox.com/s/cg5f92jfr6kcwyn/app-release.apk?dl=0>

Please contact Alexander Coll at [acoll@purdue.edu](mailto:acoll@purdue.edu) if these dropbox links don’t work.

**Emulator**

If you don’t want to or don’t have an android device, you can use an emulator.

Please install Android Studio, and following Google’s instructions for setting this up depending on your OS and environment:

<https://developer.android.com/studio/run/managing-avds.html#about>

Setup the emulator as Android 6.0, API level 23, ABI version “Google APIs x86”.

Paste the links above into your emulator to install the app.