The Bike Kollective Installation Document

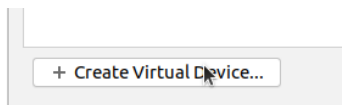*Cedric Eicher, Lennard Gorter, Connor Pollock*

To install Flutter SDK, Android Studio:

Multi-platform instructions regarding the installation of Flutter SDK and Android Studio can be obtained from [Flutter's official documentation](). Follow the steps provided up through the heading 'Install Android Studio', then return here and see the section immediately below this for further instructions on setting up an Android device or Android emulator for testing.

To install and view the APK on the Android Emulator:

Open the Android Emulator:

1) Open Android Studio
2) In the top toolbar, navigate to *Tools → AVD Manager*
3) If no virtual devices are present, press 'Create Virtual Device' and select a recent Android device (Pixel, Samsung, etc.)

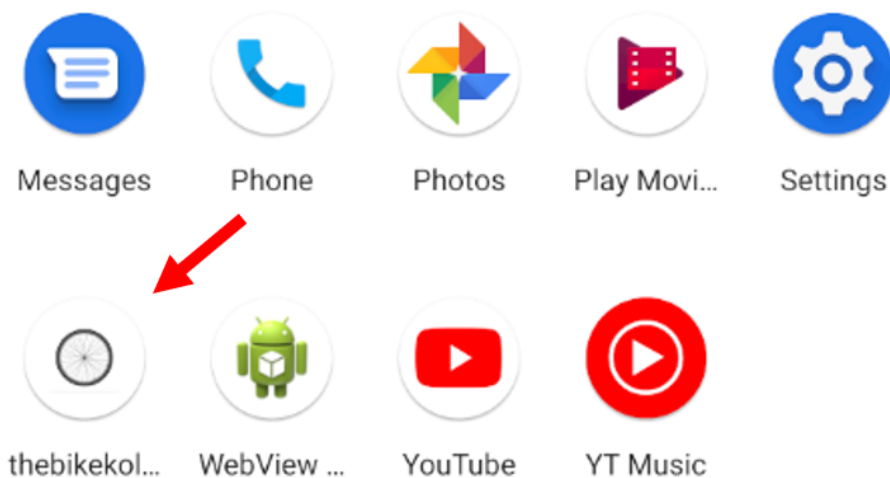4) Press the green button to start the Android emulator

5) Wait for the emulator to be open and available

Shortcut Install the APK on the Android Emulator:

- Some emulators allow drag-and-drop apk installation automatically. Simply drag the apk onto the emulator. It is recommended this method be tried prior to traditional stream installation.

Stream Install the APK on the Android Emulator:

6) Open a terminal (For Windows users, use PowerShell)
7) Navigate to the location of the Android installation folder.
   - On Windows, will typically be `C:\Android`
8) Within the `Android` folder, navigate to `Sdk\platform-tools`
   - File path will be `Android\Sdk\platform-tools`
9) Within platform-tools, locate the `adb.exe` executable
10) Enter the following command, where `<apk location>` is the full path to the apk
    - `./adb install <apk_location>`
      - → E.g.:
        `./adb install "C:\Users\Cedric Eicher\Desktop\app-release.apk"`
11) Wait until the terminal says `Success`
12) On the Android emulator, pull up the app drawer and look for the app '**thebikekollective**'

To install and view the APK on a physical device:
(*Note:* This can only be done on Android devices.)

1) Transfer the `.apk` file to an Android device
2) In the device's file explorer, click on the `.apk` file and choose a dedicated installer (the default Android SDK installer is fine)
3) Install, making note to Allow Installation and Don't Send to Google Play for scanning (this app is meant as a project, but will look suspicious to Android)
4) Open the app once it has been installed