**Steps to run the Bike Tracker app on an Android device:**

**Tools needed:** Eclipse with ADT (Android Developer Tools), Drivers for your Android device installed on PC

Below are the steps to run the app on an Android device.

1. Open Eclipse ADT. Install the below as minimum from the Android SDK Manager.

* Android SDK Tools, Android SDK Platform-tools, Android SDK Build-tools
* Android 4.4.2 (API 19) SDK Platform
* Google Play Services

1. Import the Code.zip file into Eclipse to open the project code

File menu -> Import… -> Existing Projects into Workspace -> Next

Click on “Select archive file” -> Browse for Code.zip file -> Open -> Select All -> Finish

1. Add reference to appcompat\_v7

Select the project BikeTracker -> Right click on it -> Properties -> Android -> Library -> Remove the reference which are present -> Click Add -> Select the appcompat\_v7 project -> OK -> OK

Make sure the project code compiles successfully.

1. Turn ON the USB debugging setting in Developer options section of the Android device’s Settings
2. Connect the Android device to PC using a USB cord. Make sure the drivers for the particular Android device are already installed on PC.
3. Enter your phone number and Google geolocation API key (Steps to obtain the API key are given below)

Open the following file in the project: BikeTracker -> res -> values -> strings.xml

Input your phone number and the Google geolocation API key in the sections indicated and save the file.

1. Run the project

Select the project BikeTracker -> Run menu -> Run As -> Android Application

In the next screen that appears, select your Android device -> Click Run

1. Bike Tracker app is installed on the Android device and is launched automatically.

**Steps to obtain the Google geolocation API key:**

The steps are clearly mentioned in the following web page in “Finding your API key” section.

<https://developers.google.com/maps/documentation/business/geolocation/#api-key>