

EG-M42 Software for
Smartphone:
**Installation of Development
Environments**

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Outline

- Google Account
- Java
- MIT App Inventor
- (*Optional*) Android Development Tools



Google Account

- You need to set up a Google account
 - To develop with MIT App Inventor.
 - To publish Apps with Google play.
 - To deploy Web applications at Google App Engine.
 - e.g., App Inventor's TinyWebDB component.



Java

- Test whether your system already has working Java installation.
 - Java test page:
<http://www.java.com/en/download/help/testvm.xml>
- If not, download and install Java.
 - <http://www.java.com/>
 - Verify your installation by visiting Java test page.



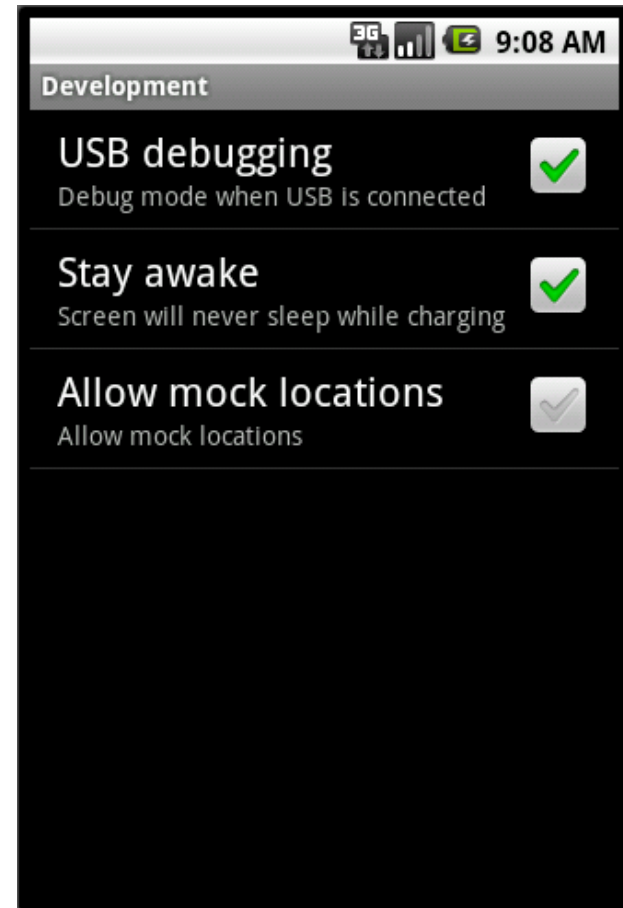
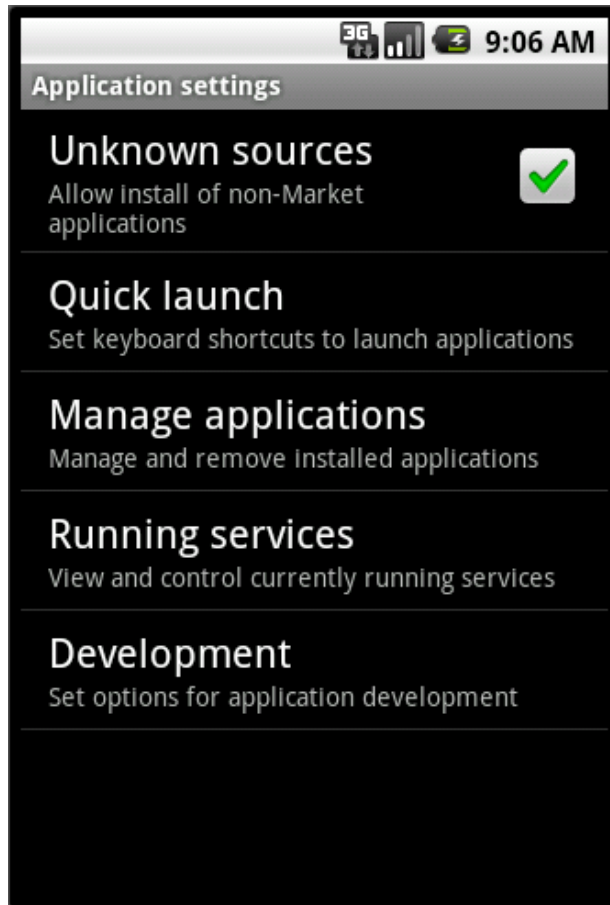
MIT App Inventor - 1

- Download and install the App Inventor Setup package.
 - http://dl.google.com/dl/appinventor/installers/windows/appinventor_setup_installer_v_1_2.exe
- (Optional) Install USB drivers for your Android phones.
 - OEM drivers:
<http://developer.android.com/tools/extras/oem-usb.html#Drivers>



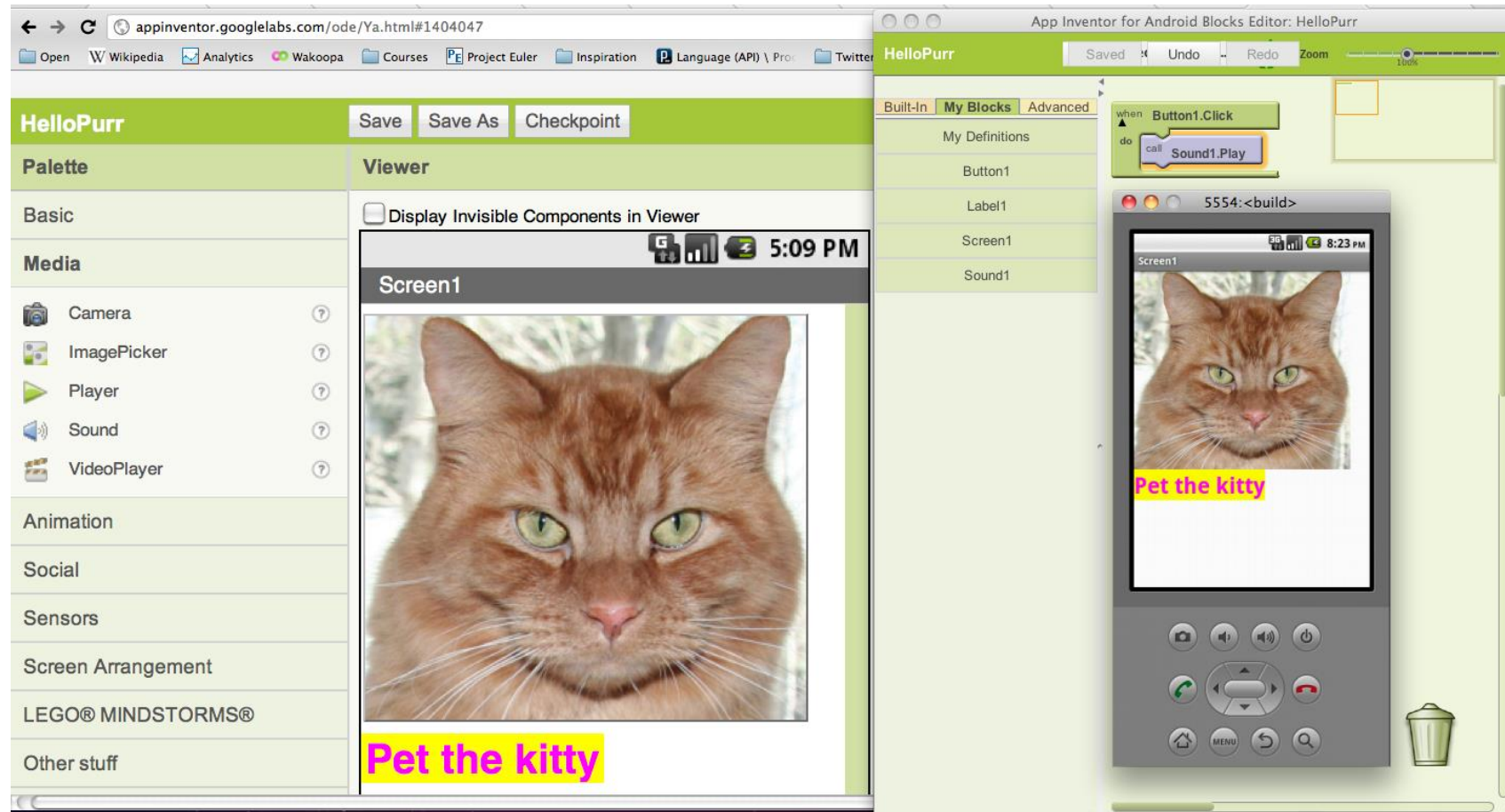
MIT App Inventor - 2

- Set up your Android phone as follows in the Application Settings menu:



MIT App Inventor - 3

- Build your first app visiting <http://appinventor.mit.edu/>



Android Development Tools

- Get the Android SDK (ADT bundle for Windows) at <http://developer.android.com/sdk/index.html>.
- Unpack the ZIP file (named *adt-bundle- $\langle os_platform \rangle$.zip*) and save it to an appropriate location.
- Open the *adt-bundle- $\langle os_platform \rangle$ /eclipse/* directory and launch eclipse.

