android-eris-step-by-step

April 21, 2013

Contents

1 TODO Building Your First App with the Eclipse and Android Development Tools (ADT)

1.1 DONE Build My First App

1. ☒ Start Eclipse

    - Error Loading DDMS Preferences
        - Add "android" binary to path

2. ☒ New Android Application

3. ☒ Application = My First App

4. ☒ Minimum Required SDK, Target SDK, Compile With = API 10: Android 2.3.3. (Gingerbread)

5. ☒ Theme = None

6. ☒ Finish

1.2 DONE Uninstall My First App

```
# -d directs command to the only connected USB device
#           returns an error if more than one USB device is present.
# -e directs command to the only running emulator.

adb -d uninstall com.example.myfirstapp
adb -e uninstall com.example.myfirstapp
```

1.3 DONE [6/6] Create a Linear Layout

1. ☒ Open file:~/workspace/MyFirstApp/res/layout/activity_main.xml

2. ☒ Create a Linear Layout

    (a) ☒ Delete the <TextView> element

(b) ☒ Change the <RelativeLayout> element to <LinearLayout>

(c) ☒ Add the android:orientation attribute and set it to "horizontal"

3. ☒ Add a Text Field

4. ☒ Add String Resources to file:~/workspace/MyFirstApp/res/values/strings.xml

(a) ☒ edit$_{message}$

(b) ☒ button$_{send}$

5. ☒ Add a Button to file:~/workspace/MyFirstApp/res/layout/activity_main.xml following <EditText>

6. ☒ Make the Input Box Fill in the Screen Width in file:~/workspace/MyFirstApp/res/layout/activity

1.4 TODO [1/1] Starting Another Activity

1.4.1 TODO [/] Respond to the Send Button

1. ☒ add the android:onClick attribute to the <Button> element in file:~/workspace/MyFirstApp/res/layout/activity_main.xml

```
<Button
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="@string/button_send"
    android:onClick="sendMessage" />
```

2. ☐

2 Step by step Tuesday, April 16

1. ☐ Power off

2. ☐ Volume down and power on

3. ☐ Volume up

4. ☐ Partition sdcard

(a) ☐ Partition SD

(b) ☐ Press twice

(c) ☐ Swap-size = 32 MB => 64 MB

(d) ☐ Ext2-size = 512 MB => 1024 MB

(e) ☐ Volume down to return

5. ☐ USB-MS toggle

6. ☐ Download Desirec Info stable build cm-7.2.0-desirec.zip md5sum = bd03e5ca49e8770cc00b319dd939336c

7. ☐ cp cm-7.2.0-desirec.zip to sd card

8. ☐ Press Trackball to disable USB-MS

9. ☐ Flash zip from sdcard

(a) ☐ Choose SDCARD:cm-7.2.0-desirec.zip

(b) ☐ Press trackball to confirm

10. ☐ Reboot system now

1. ☐ start adb as root

```
sudo adb
```

3 TODO [0/2] Create a Project with Command Line Tools

1. ☐ list targets

```
android list targets
```

2. ☐

```
#!/bin/sh
TARGET_ID="android-10"
# TARGET_ID="Google Inc.:Google APIs:10"
PATH_TO_WORKSPACE="/home/troy/workspace"

android create project --target $TARGET_ID --name MyFirstApp \
--path $PATH_TO_WORKSPACE/MyFirstApp --activity MainActivity \
--package com.example.myfirstapp
```

4   Step by step

1. ☐ Order tethering cable

   - USB Data Cable For HTC Droid Eris
   - Total: $7.98
   - http://www.cellphoneshop.net/

2. ☐ Order 8 GB MicroSDHC Card

   - 2254.30

3. ☐ http://wiki.cyanogenmod.org/w/Main_Page

4. ☐ About / what

5. ☐ How to install

6. ☐ http://wiki.cyanogenmod.org/w/Desirec_Info

7. ☐

5   Installing CyanogenMod from recovery

1. ☐ partition sd card

2. ☐ Download cm-7-20130301-NIGHTLY-desirec.zip

3. ☐ Place the CyanogenMod rom .zip file on the root of the SD card

   ```
   adb push cm-7-20130301-NIGHTLY-desirec.zip /sdcard
   ```

4. ☐ Flash zip from sdcard

   ```
   E: No zip files found
   ```

5. ☐ Install gapps-gb-20110828-signed.zip

6 Log

7 Android Applications

7.1 Free voice calls

8 HTC Droid Eris

Screen 3.2 inch HVGA 320x480

Device Definition 3.2" HVGA slider ADP1 (320 x 480, Normal mdpi screen)

9 Build

1. ☐ http://wiki.cyanogenmod.org/w/Build_for_desirec

2. ☐

   ```
   mkdir -p ~/bin
   mkdir -p ~/android/system
   ```

3. ☐ repo

   ```
   cd ~/bin && wget https://dl-ssl.google.com/dl/googlesource/git-repo/repo && chmod
   ```

4. ☐ path

   ```
   export PATH=${PATH}:~/bin
   ```

5. ☐

   ```
   cd ~/android/system/
   repo init -u git://github.com/CyanogenMod/android.git -b gingerbread

   repo sync
   ```

6. ☐ Get prebuilt Rom Manager

```
cd ~/android/system/vendor/cyanogen && ./get-rommanager
```

7. □

```
cd ~/android/system
source build/envsetup.sh
lunch
```

10 Links

- http://android.stackexchange.com/questions/29828/how-can-i-mount-or-unmount-the-sd-card-using-adb

- http://developer.android.com/tools/index.html

- http://download.cyanogenmod.org/?type=stable&device=desirec

- http://forums.devshed.com/python-programming-11/importerror-no-module-named-cpickle-938161.html

- http://get.cm/?device=desirec

- http://goo.im/gapps

- http://wiki.cyanogenmod.org/w/ADB

- http://wiki.cyanogenmod.org/w/Build_for_desirec#Download_the_source_code

- http://wiki.cyanogenmod.org/w/Community

- http://wiki.cyanogenmod.org/w/Install_CM_for_desirec

- http://wiki.rootzwiki.com/Google_Apps

- http://www.addictivetips.com/mobile/the-complete-review-of-cyanogenmod-7-walkthrough-guide/#1

- http://www.droidforums.net/forum/motorola-droid/6489-how-pair-bluetooth-blueant-z9i.html

- http://www.economyofeffort.com/2010/07/30/turn-an-android-handset-into-a-free-wifi-phone-with-google-voice/

- https://code.google.com/p/cyanogenmod-kovsky/downloads/detail?name=gapps-gb-20110828-signed.zip&can=2&q=

- https://groups.google.com/forum/?fromgroups=#!topic/android-discuss/-Fp5VkTmW1k

- https://www.linux.com/learn/tutorials/698725-how-to-install-cyanogenmod-on-an-android-phone

11   Android Applications

11.1   GrooVe IP Lite

Access Request ouath2:https://www.googleapis.com/auth/googletalk

??? http://snrblabs.com/snrb/grooveIp.aspx

11.1.1   Echo problem on reciever end

- Change microphone volume from -2 to -8

- Change speaker volume from 0 to -5