



GDG DevFest 2013 Season

2013.10.03 DevFest @ **Omsk**

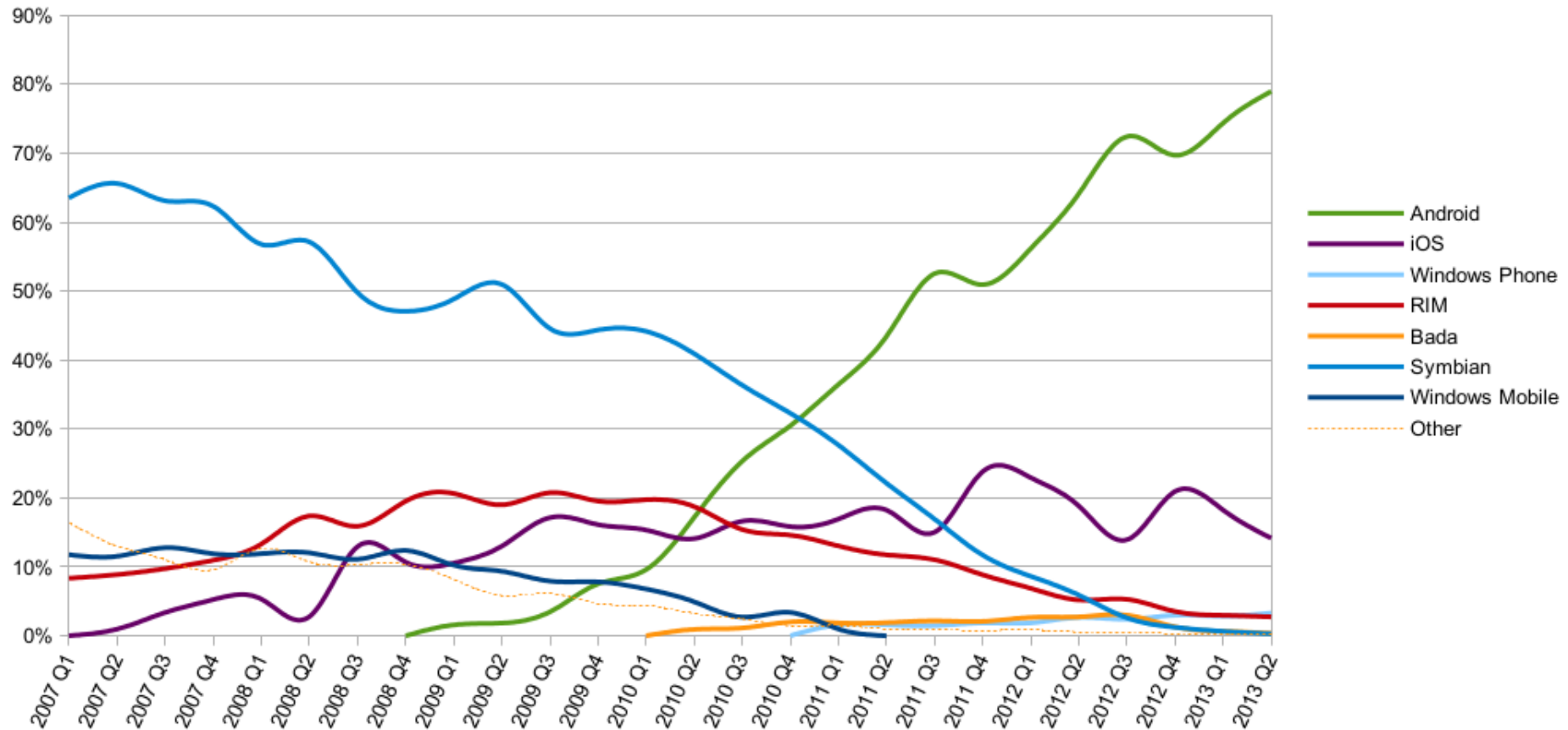
Android Studio



Android Studio

Make your first Android app

World-Wide Smartphone Sales (%)

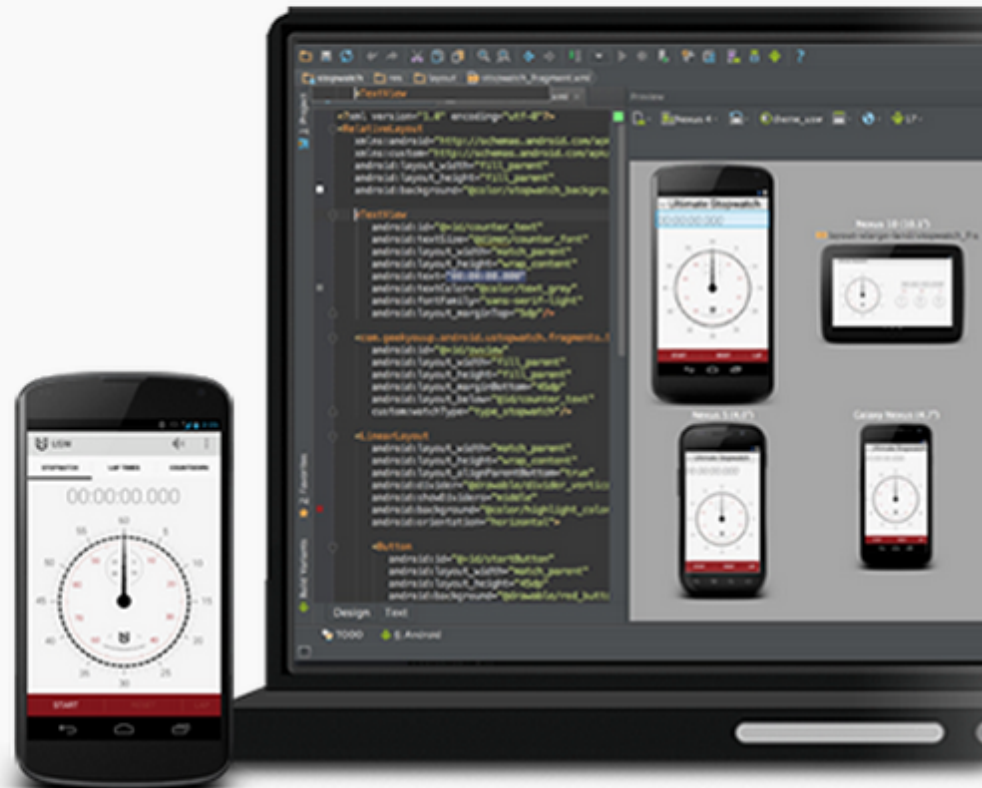


Getting Started with Android Studio

EARLY ACCESS PREVIEW

Android Studio is a new Android development environment based on IntelliJ IDEA. Similar to Eclipse with the ADT Plugin, Android Studio provides integrated Android developer tools for development and debugging. On top of the capabilities you expect from IntelliJ, Android Studio offers:

- Gradle-based build support.
- Android-specific refactoring and quick fixes.
- Lint tools to catch performance, usability, version compatibility and other problems.
- ProGuard and app-signing capabilities.
- Template-based wizards to create common Android designs and components.
- A rich layout editor that allows you to drag-and-drop UI components, preview layouts on multiple screen configurations, and much more.
- Built-in support for [Google Cloud Platform](#), making it easy to integrate Google Cloud Messaging and App Engine as server-side components.



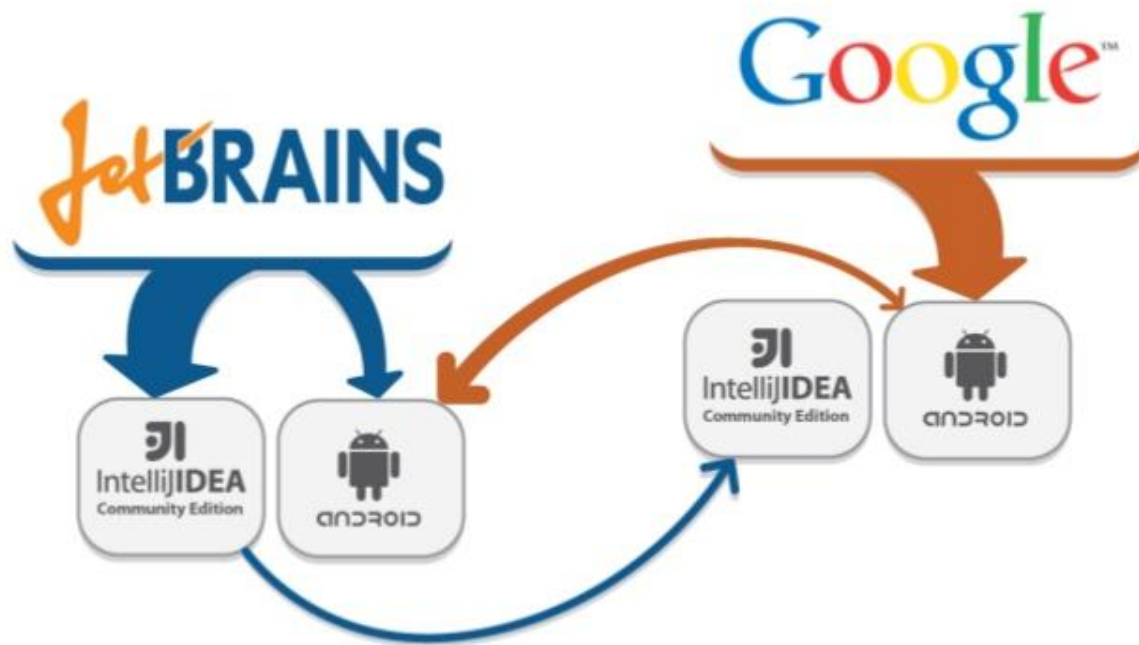
Download Android Studio v0.3.1
for Linux

This download includes:

<http://developer.android.com/sdk/installing/studio.html>

Android Studio \subset IntelliJ IDEA 13

Сотрудничество JetBrains и Google



IntelliJ IDEA 13

Android

ANDROID STUDIO

Google's new official IDE for Android developers is now based on IntelliJ Platform and provides the same feature set as IntelliJ IDEA Community Edition.

GRADLE BUILD SYSTEM

The IDE provides now seamless integration with the new Gradle-based Android build system, including code assistance for editing Gradle DSL.

LINT INSPECTION

Better Android-specific code analysis with new Lint inspection.

RENDERSRIPT

Syntax highlighting for RenderScript files.

XML EDITOR

Code completion for required attributes and rearranging of attributes based on code styles for XML files.

LOGCAT

The new enhanced user interface for the Logcat tool window, which now lets you filter by package name.

NINE-PATCH EDITOR

Now you can edit your 9-patch graphics files without leaving the IDE, using the built-in 9-patch editor.

COLOR PICKER

Now you can select colors in XML drawables and layout files via the new *Color picker*.

DATABASE ACCESS ULTIMATE

The IDE provides database tools for accessing device-embedded SQLite database.

The built-in tools lets you browse tables, edit its data and run queries.

LAYOUT PREVIEW

The layout preview has been improved with more options and capabilities to display more than one device simultaneously.

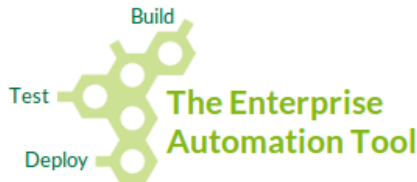
NAVIGATE TO RELATED FILE

Navigate between the layout file and related *Activity* or *Fragment* classes via the *Go to Related File* action.

NAVIGATE TO DECLARATION

Navigation to the declaration in the manifest for *Activity*, *Service* and other Android classes.

Gradle is Coming



Automation Evolved

- Strong yet flexible conventions
- Enterprise level control capabilities
- Manageable and understandable builds



OVERVIEW



DOWNLOADS



DOCUMENTATION



LEARN



WEBINARS



GRADLEWARE



HELP

Gradle 1.9-rc-2 is now available. We would appreciate your feedback!

WHAT IS GRADLE?

Gradle is build automation *evolved*. Gradle can automate the building, testing, publishing, deployment and more of software packages or other types of projects such as generated static websites, generated documentation or indeed anything else.

Gradle combines the power and flexibility of **Ant** with the dependency management and conventions of **Maven** into a more effective way to build. Powered by a Groovy DSL and packed with innovation, Gradle provides a declarative way to describe all kinds of builds through sensible defaults. Gradle is quickly becoming the build system of choice for many open source projects, leading edge enterprises and legacy automation challenges.

Learn more about what makes Gradle a compelling choice for build automation or get started with Gradle right now.



New O'Reilly Book, Out Now!

Building & Testing with Gradle



GET GRADLE!

Download Gradle 1.8

(released 24th September 2013)

[release notes]

[more downloads]

Recent News

- Gradle 1.9-rc-2 is now available for testing
- Gradle 1.9-rc-1 is now available for testing

more...

Upcoming Trainings

- Nov 4-6, 2013, San Francisco, US

more...

Read the "Building and Testing with Gradle" book online now for free @ gradleware.com/

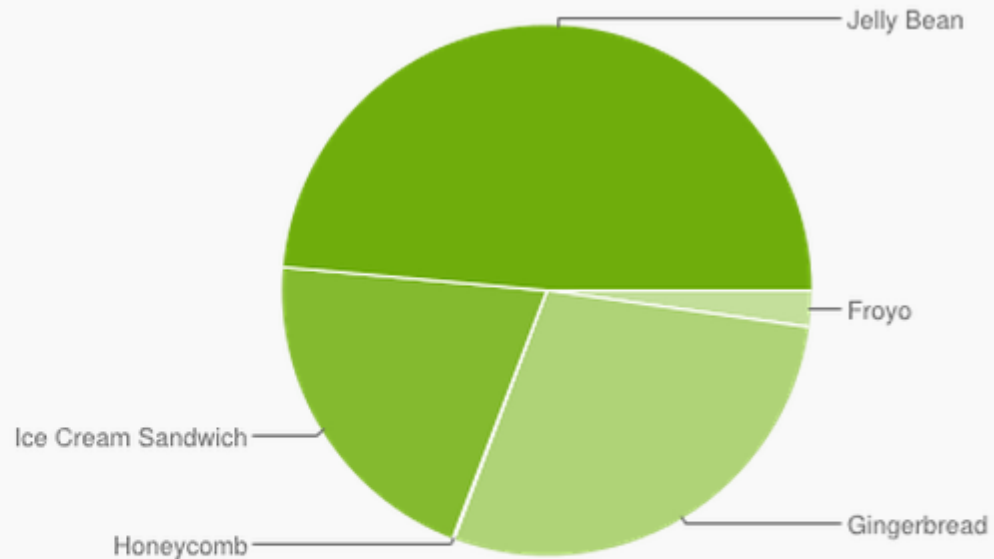


GDG DevFest
2013 Season

<http://www.gradle.org/>

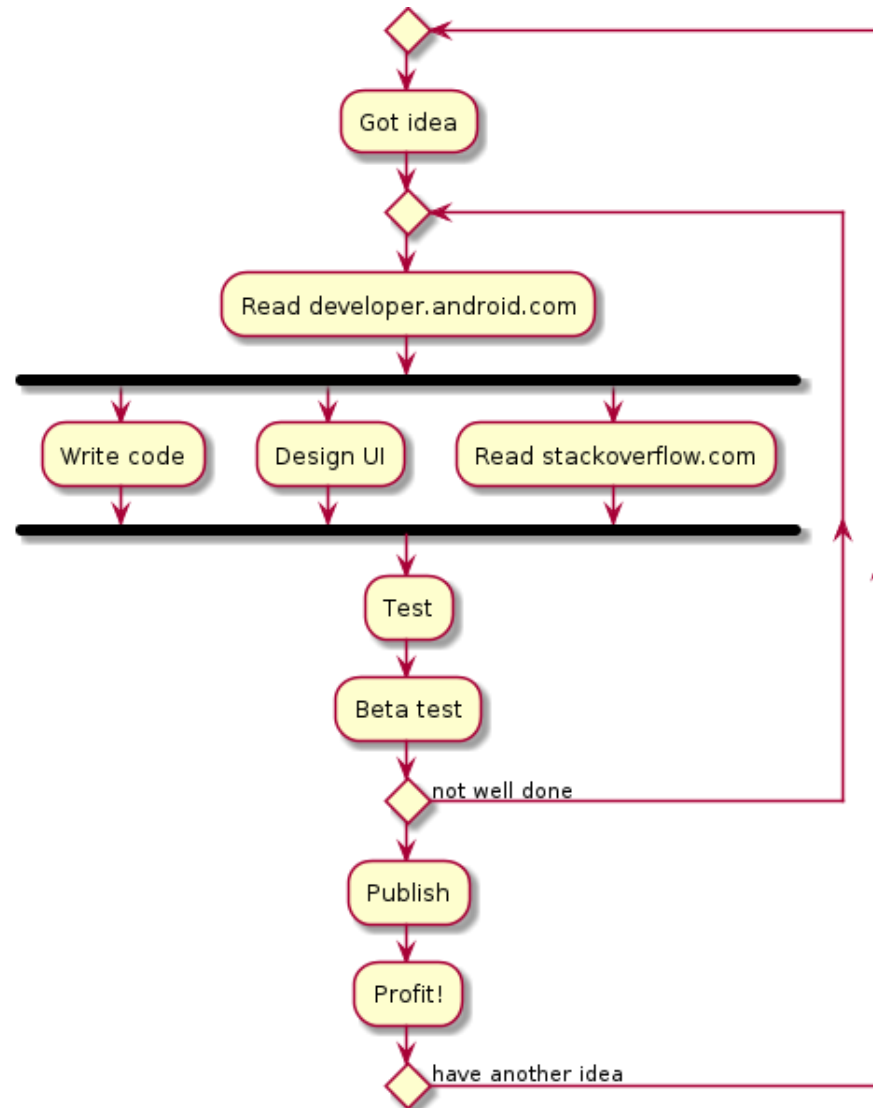
Android Platform Versions

Version	Codename	API	Distribution
2.2	Froyo	8	2.2%
2.3.3 - 2.3.7	Gingerbread	10	28.5%
3.2	Honeycomb	13	0.1%
4.0.3 - 4.0.4	Ice Cream Sandwich	15	20.6%
4.1.x	Jelly Bean	16	36.5%
4.2.x		17	10.6%
4.3		18	1.5%





*Data collected during a 7-day period ending on October 2, 2013.
Any versions with less than 0.1% distribution are not shown.*

The Workflow



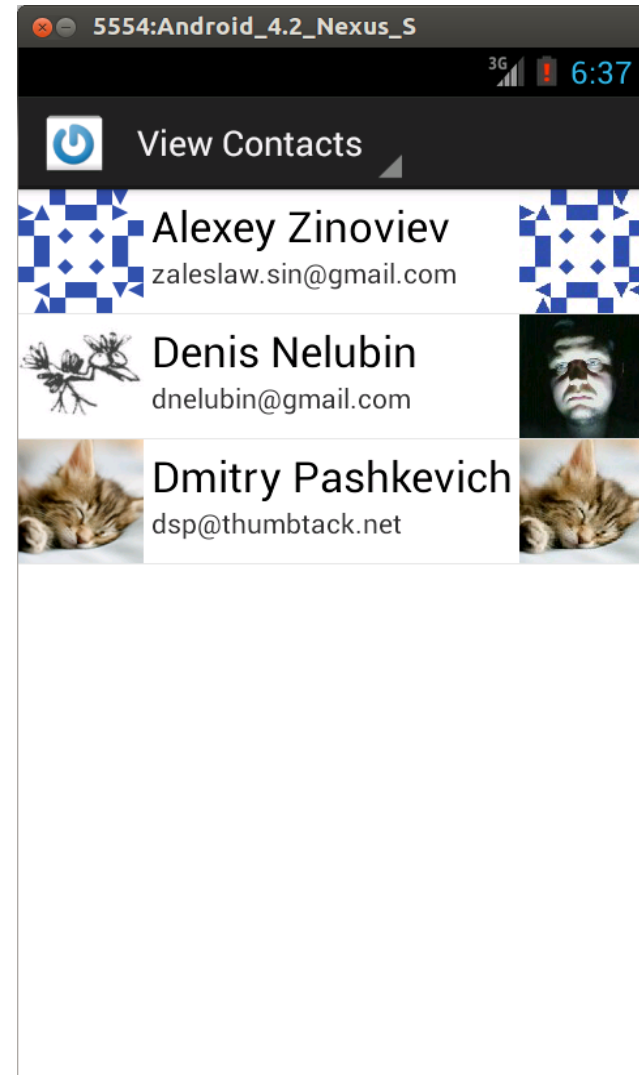
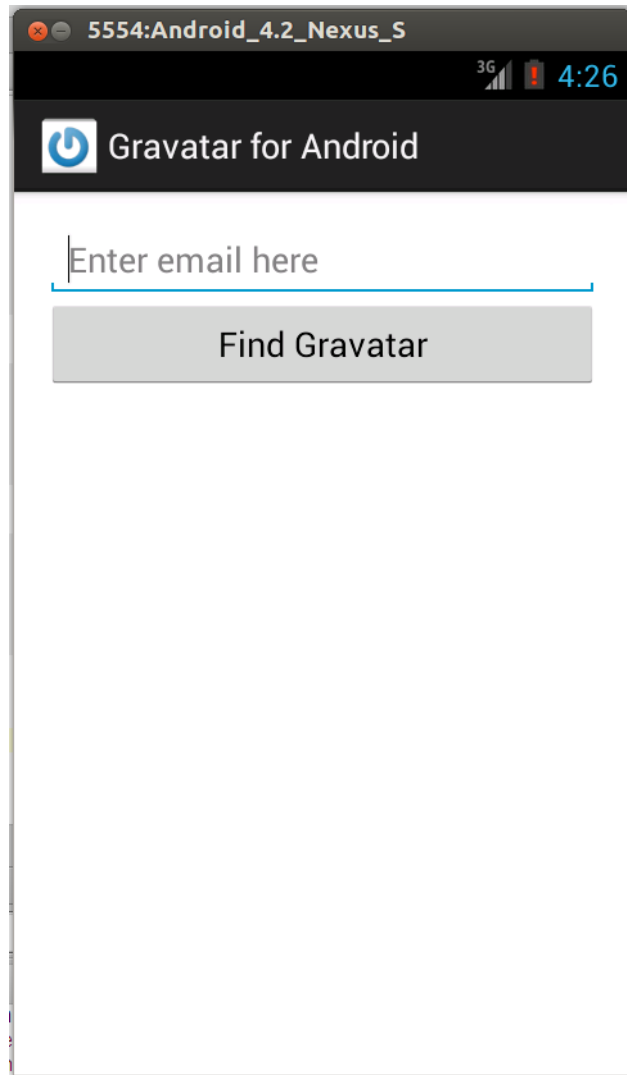
Gravatar

 [What is Gravatar?](#) [How to Use Gravatar](#) [Help](#)

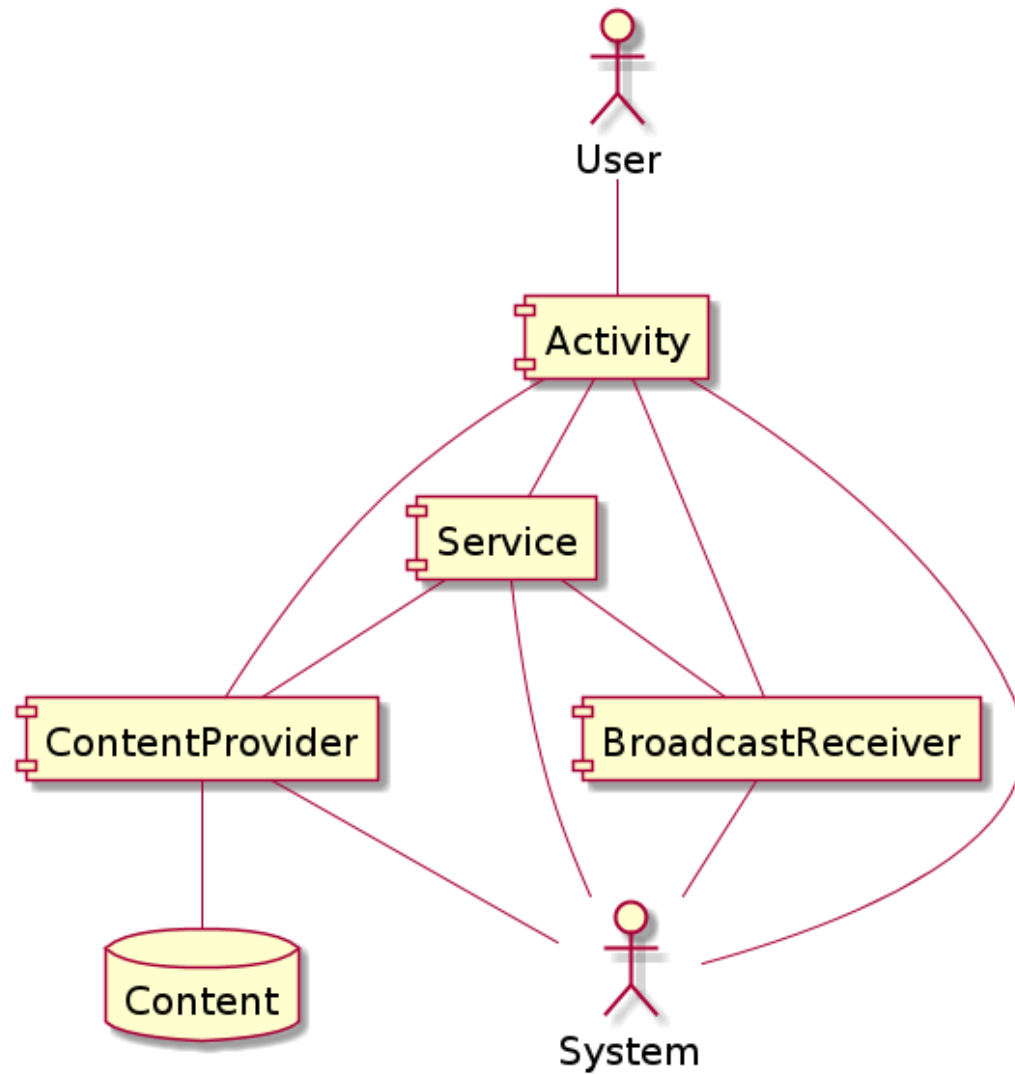
 [WordPress.com](#) [Sign In](#)

[Blog](#) [Developer Resources](#) [Technical Support](#) AN AUTOMATTIC TEAM[Languages](#) [Privacy Policy](#)  [WordPress.com](#)  [VaultPress](#)  [Akismet](#)  [Polldaddy](#)

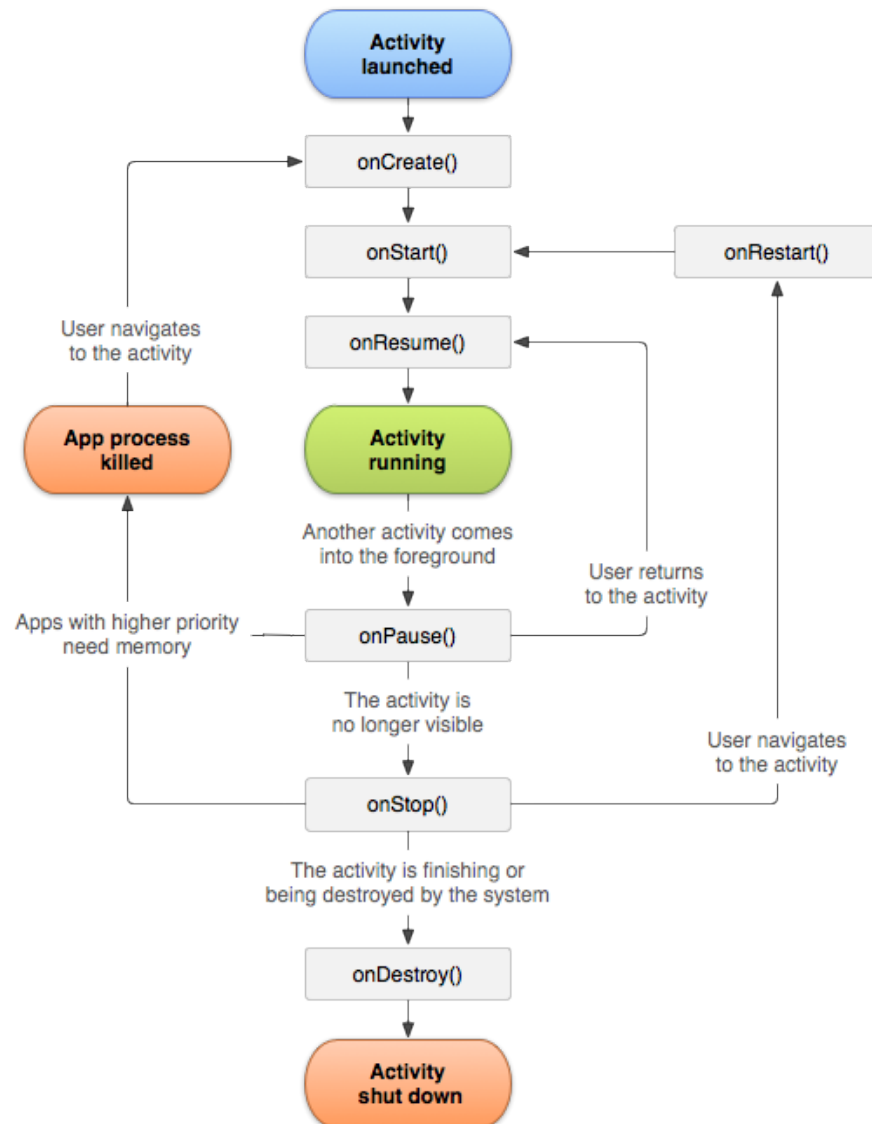
Gravatar for Android



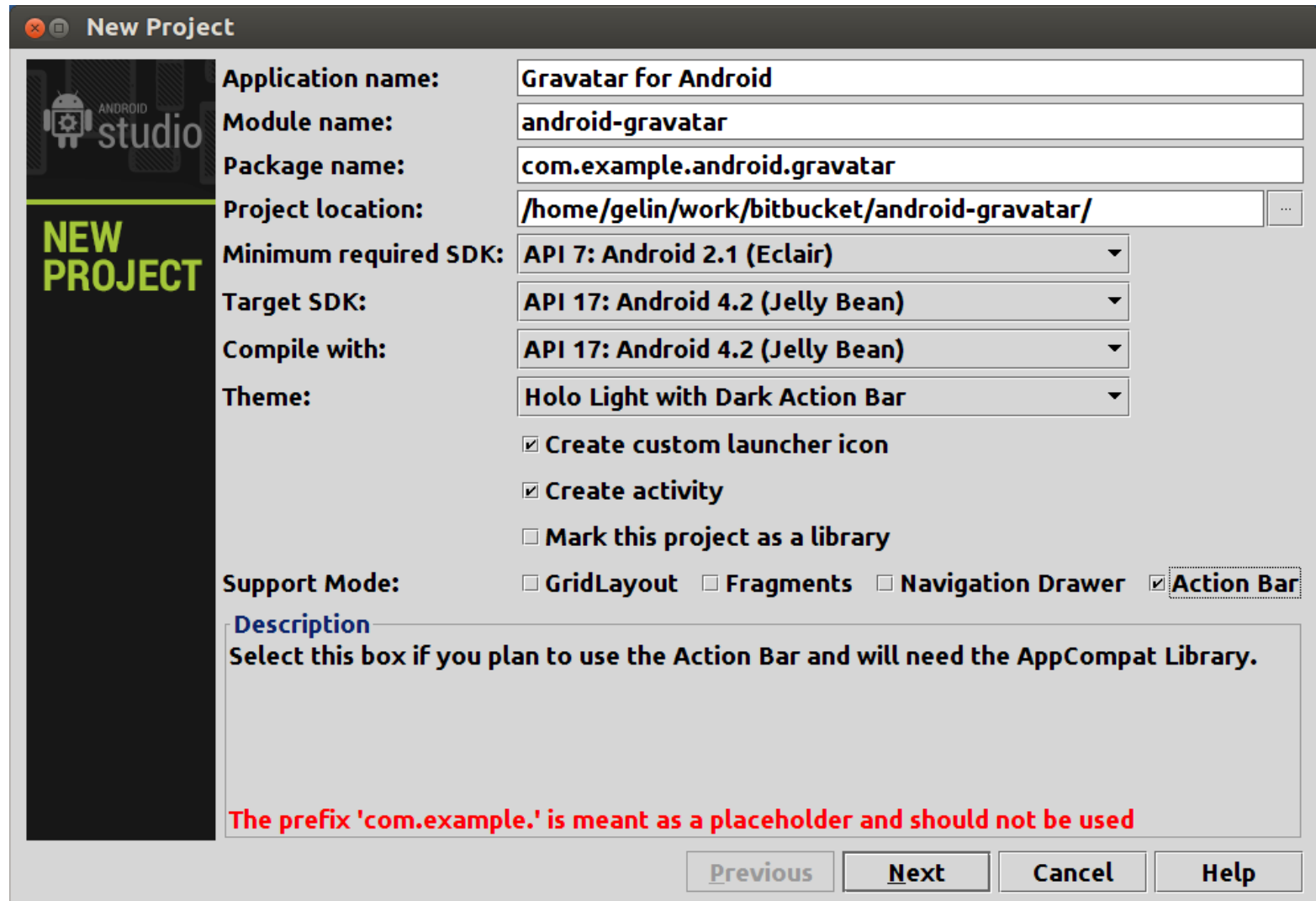
The App



The Activity



Creating the Project



New Project

Application name: Gravatar for Android

Module name: android-gravatar

Package name: com.example.android.gravatar

Project location: /home/gelin/work/bitbucket/android-gravatar/

Minimum required SDK: API 7: Android 2.1 (Eclair)

Target SDK: API 17: Android 4.2 (Jelly Bean)

Compile with: API 17: Android 4.2 (Jelly Bean)

Theme: Holo Light with Dark Action Bar

☒ Create custom launcher icon

☒ Create activity

☐ Mark this project as a library

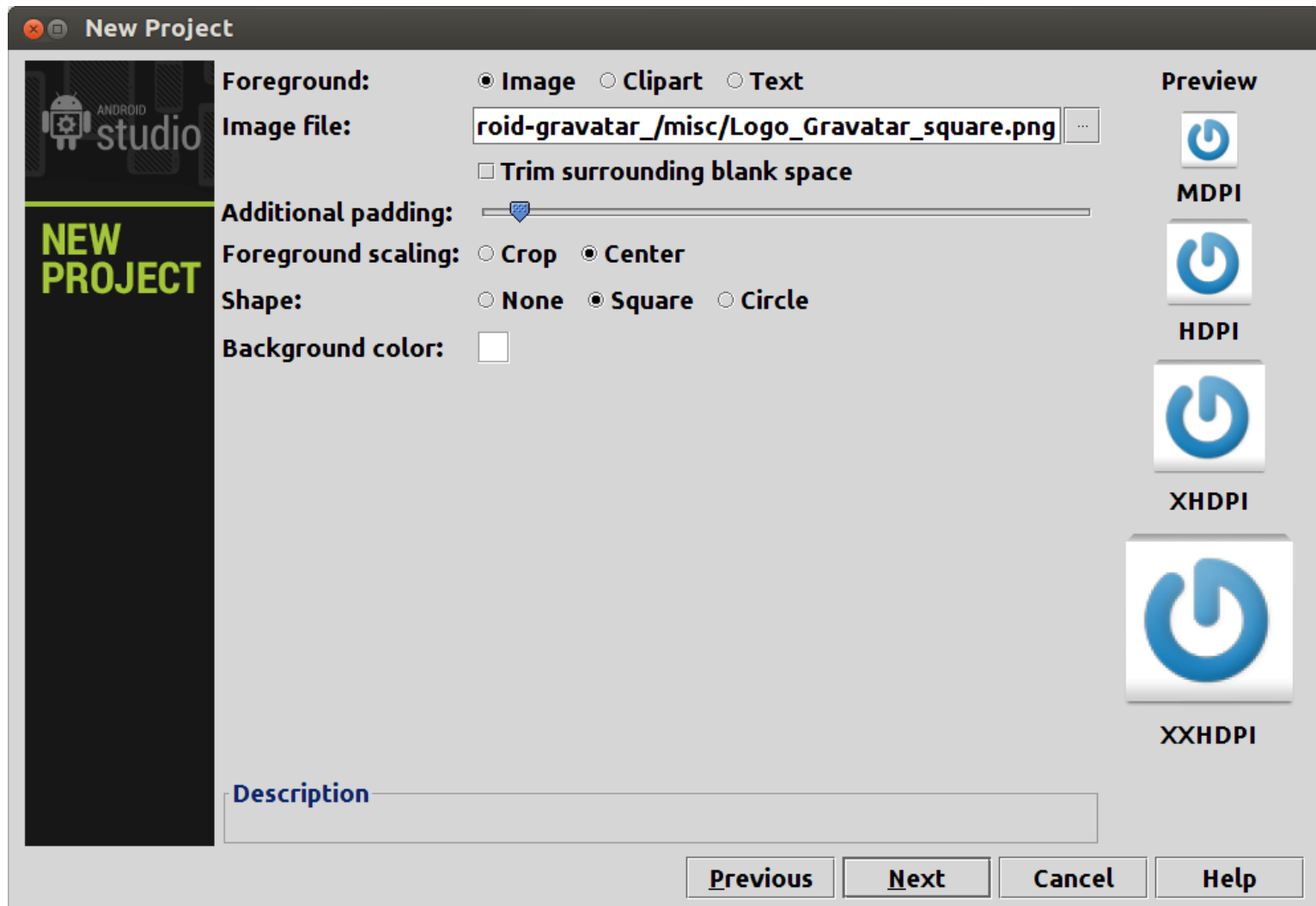
Support Mode: ☐ GridLayout ☐ Fragments ☐ Navigation Drawer ☒ Action Bar

Description
Select this box if you plan to use the Action Bar and will need the AppCompatActivity Library.

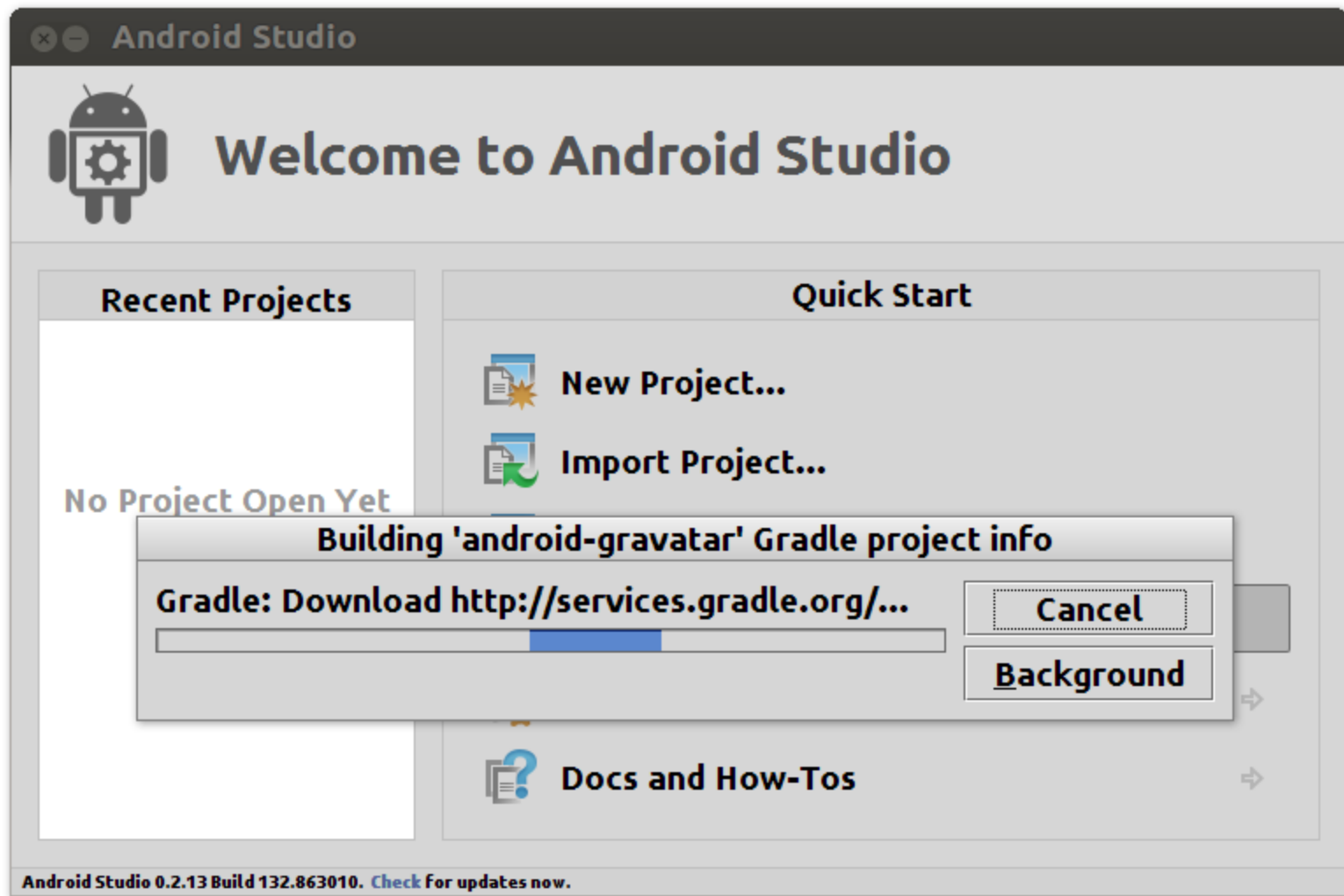
The prefix 'com.example.' is meant as a placeholder and should not be used

[Previous](#) [Next](#) [Cancel](#) [Help](#)

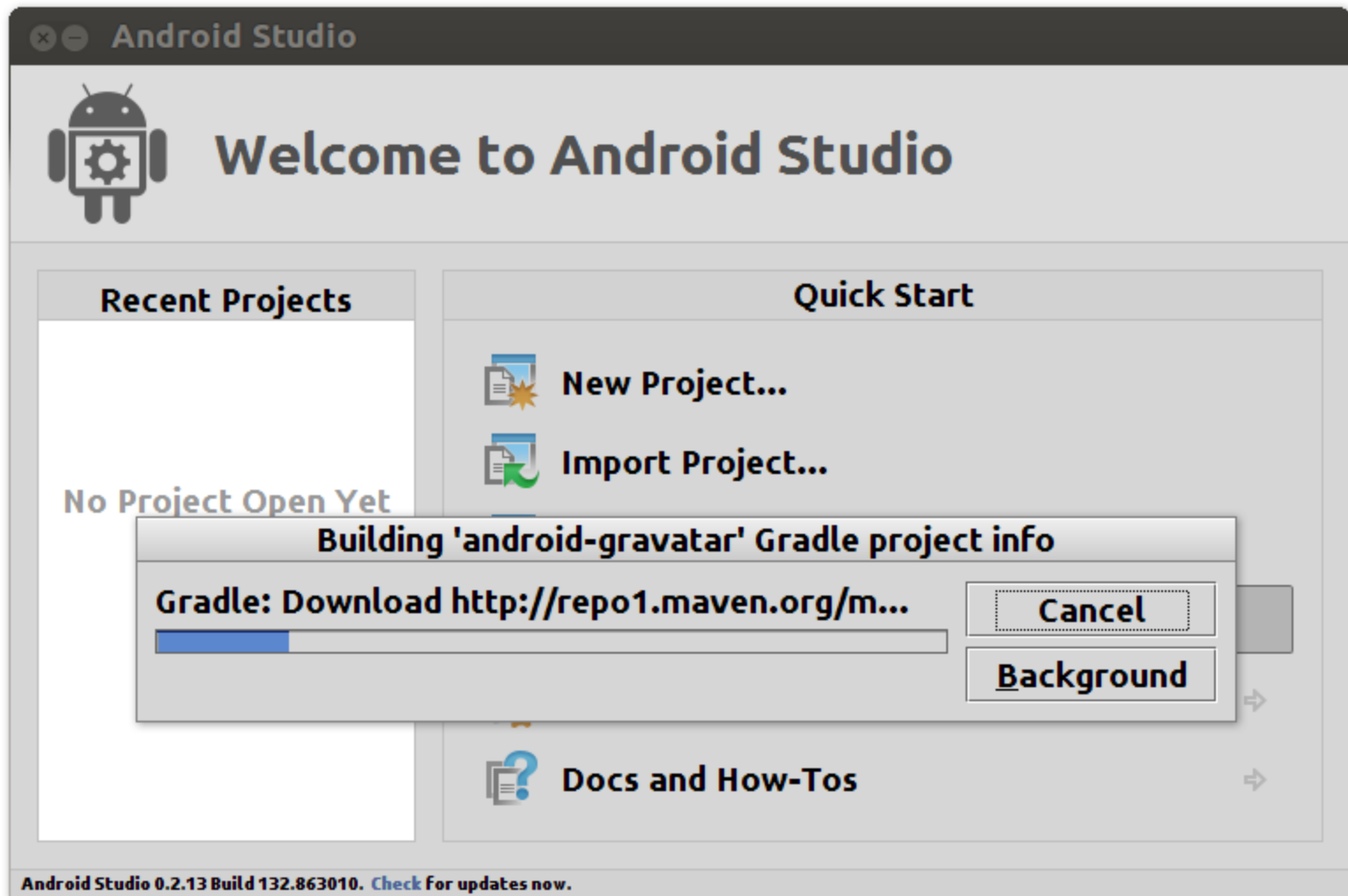
The Logo



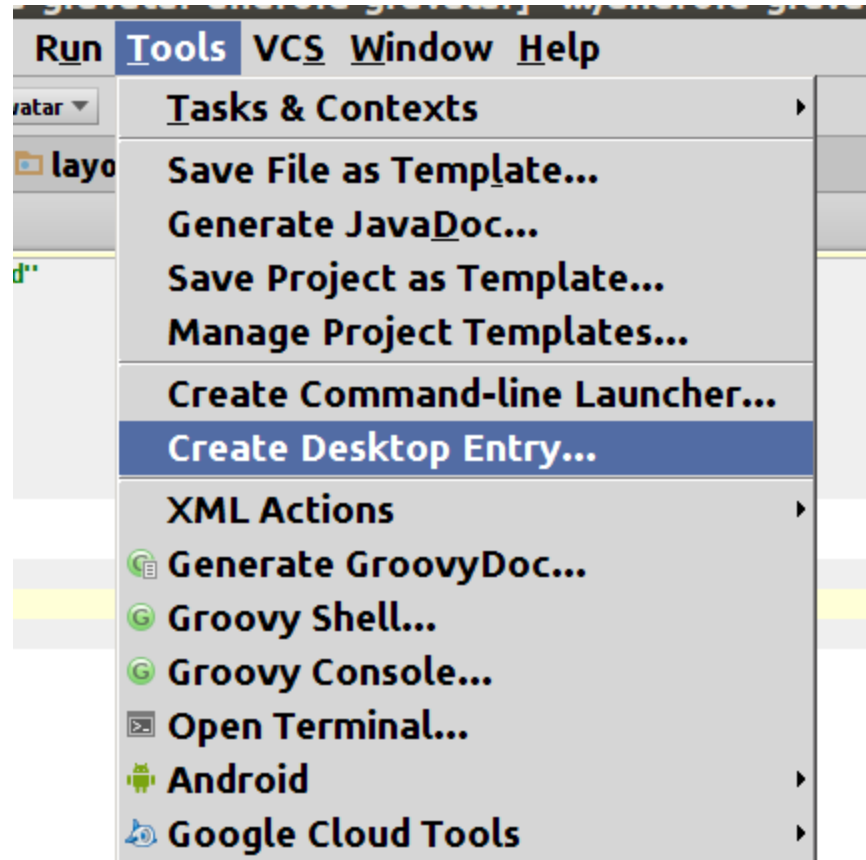
Downloading...



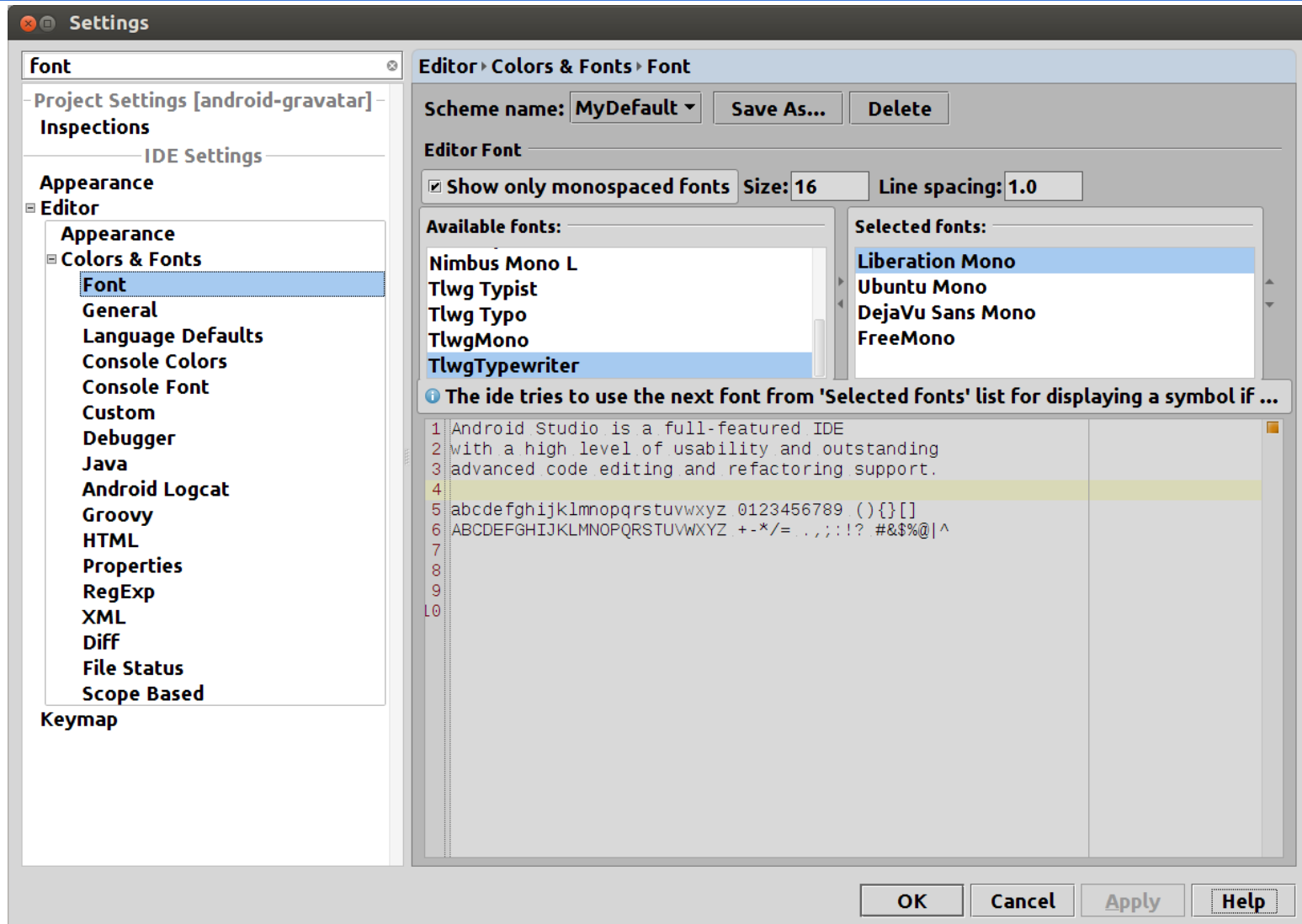
Downloading...



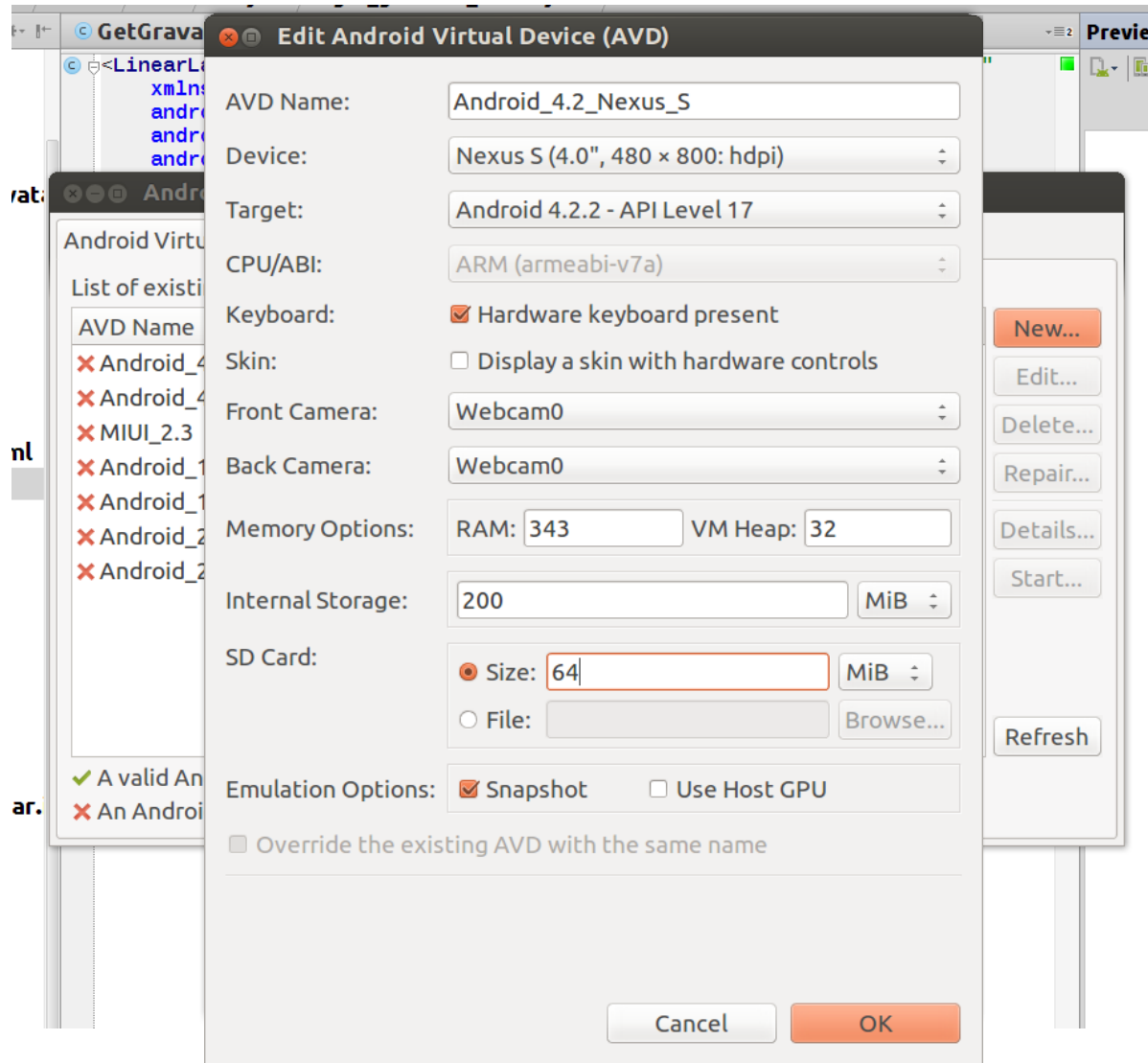
I <3 Desktop



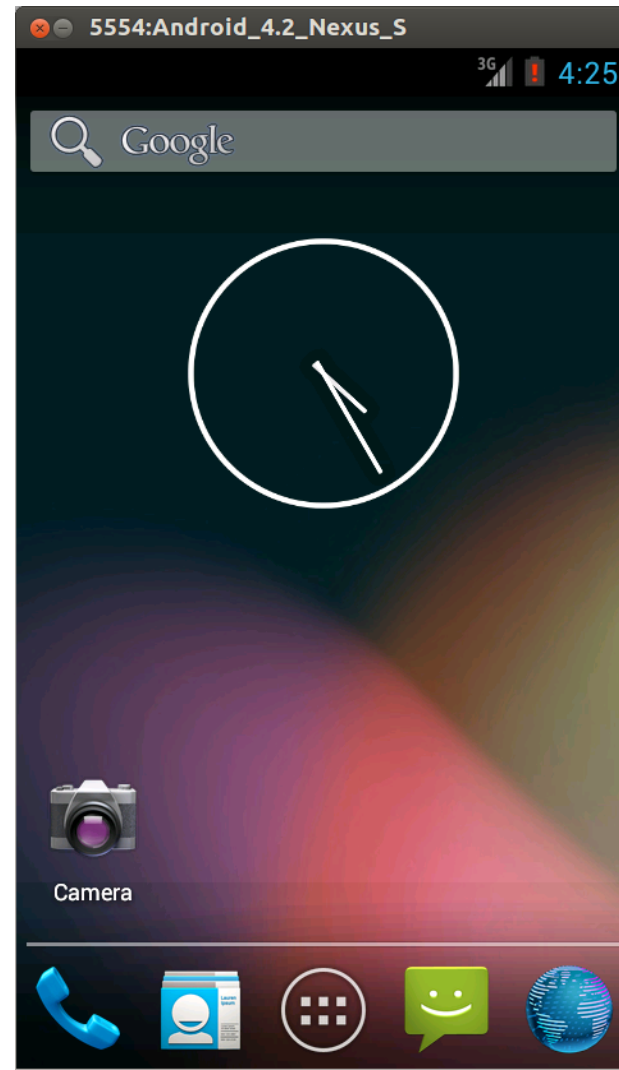
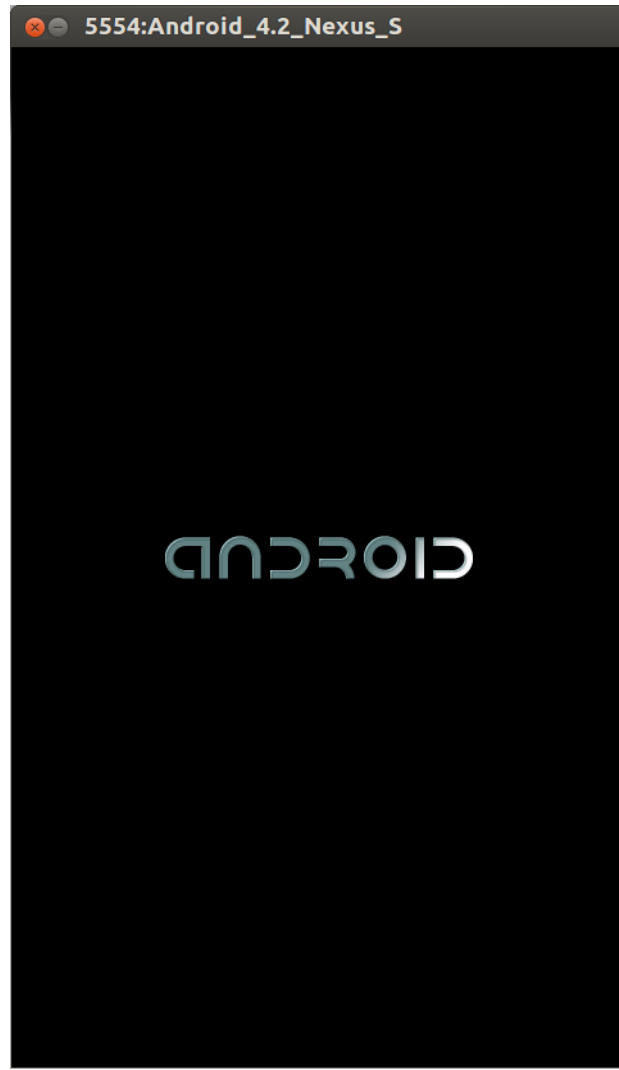
I <3 My Eyes



Emulate It



Emulated Android



Don't Make Bicycles

jgravatar

jgravatar is a tiny Java library for accessing avatar images from gravatar.com

Usage example

```
Gravatar gravatar = new Gravatar();
gravatar.setSize(50);
gravatar.setRating(GravatarRating.GENERAL_AUDIENCES);
gravatar.setDefaultImage(GravatarDefaultImage.IDENTICON);
String url = gravatar.getUrl("iHaveAn@email.com");
byte[] jpg = gravatar.download("info@ralfebert.de");
```

License

You can use jgravatar under the terms of the BSD or the LGPL license:

Gradle Depends

```
dependencies {  
  
    // You must install or update the Support Repository through the SDK manager  
    // The Support Repository (separate from the corresponding library) can be found at  
    // https://developer.android.com/sdk/index.html#support  
    compile 'com.android.support:appcompat-v7:18.0.0'  
  
    compile 'commons-codec:commons-codec:1.3' // v.1.3 is required to avoid  
    compile 'commons-io:commons-io:2.4'  
    compile 'commons-lang:commons-lang:2.6'  
}
```

Gradle Happens

2 Answers

active

oldest

votes



9



Using the command line, in the root of your project, run :

```
./gradlew clean && ./gradlew build
```

Then recompile your project in studio and you should see your new dependencies.

[share](#) | [improve this answer](#)

answered May 30 at 16:17



[lukas](#)
524 ●3●9

It works, thank you! – [Egor](#) May 31 at 8:09

2 ./gradlew clean build – [J c](#) Jun 9 at 20:31

'.' is not recognised as an internal or external command. – [Wotuu](#) Sep 28 at 22:55

'.' refers to your current folder. – [lukas](#) Sep 29 at 12:34

Gradle Upgrades

▲ 9 ▼ I saw this error after upgrading from 0.2.13 to 0.3. These are the steps I completed to resolve the issue.

1. In build.gradle make sure gradle is set to 0.6.+

```
buildscript {
    repositories {
        mavenCentral()
    }
    dependencies {
        classpath 'com.android.tools.build:gradle:0.6.+'
    }
}
```

2. In gradle-wrapper.properties make sure to use gradle 1.8


```
15:27:10 PDT 2013
distributionBase=GRADLE_USER_HOME
distributionPath=wrapper/dists
distributionUrl=GRADLE_USER_HOME
distributionUrl=http\://services.gradle.org/distributions/gradle-1.8-bin.zip
```

3. Sync project with gradle files by pressing the button to the left of the avd button

4. Try to build project again. If still having issues possibly try File > Invalidate Caches/Restart

share | improve this answer

answered yesterday

 Adam Johns
1.274 ● 1 ● 4 ● 22

<http://stackoverflow.com/questions/18256177/>

Use Threads, Duke

Log level: **Verbose** ▾

🔍 gravatar

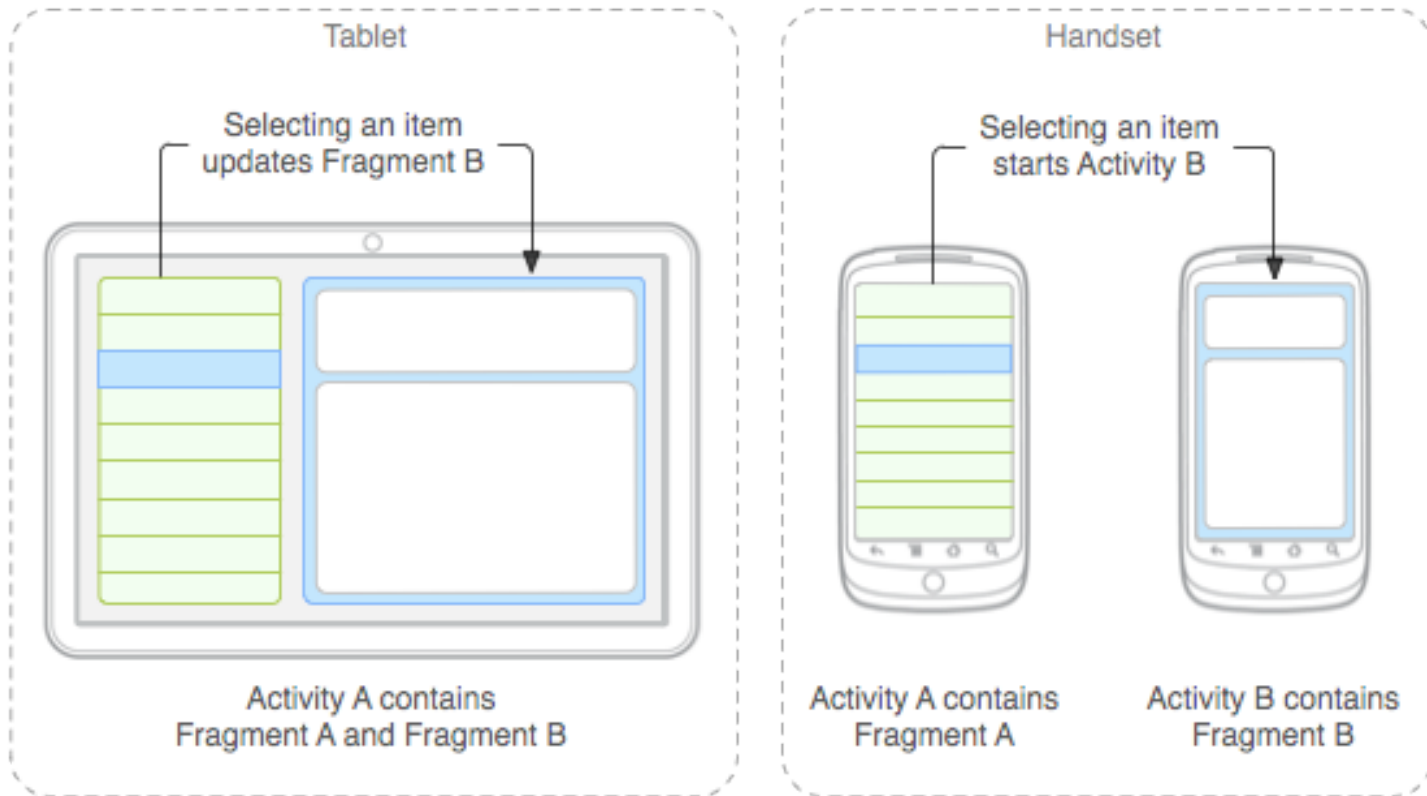
logcat

```
at android.app.ActivityThread.main(ActivityThread.java:5041)
at java.lang.reflect.Method.invokeNative(Native Method)
at java.lang.reflect.Method.invoke(Method.java:511) <3 more...>
```

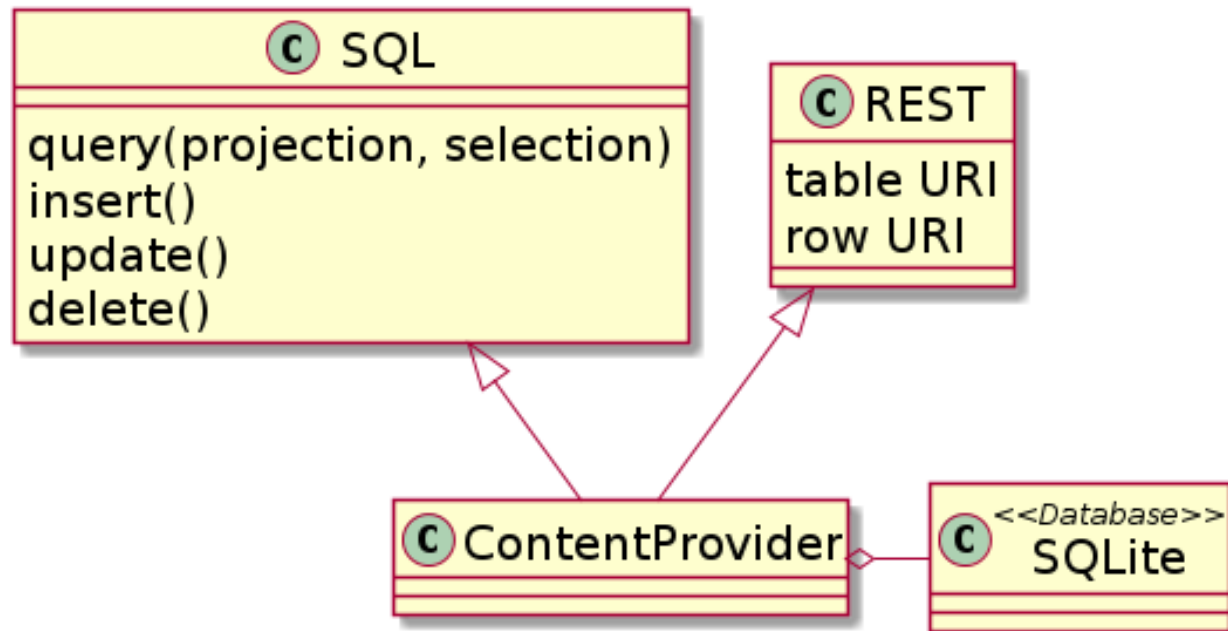
Caused by: android.os.NetworkOnMainThreadException

```
at android.os.StrictMode$AndroidBlockGuardPolicy.onNetwork(StrictMode.java:1117)
at java.net.InetAddress.lookupHostByName(InetAddress.java:385)
at java.net.InetAddress.getAllByNameImpl(InetAddress.java:236)
at java.net.InetAddress.getAllByName(InetAddress.java:214)
at libcore.net.http.HttpConnection.<init>(HttpConnection.java:70)
at libcore.net.http.HttpConnection.<init>(HttpConnection.java:50)
```

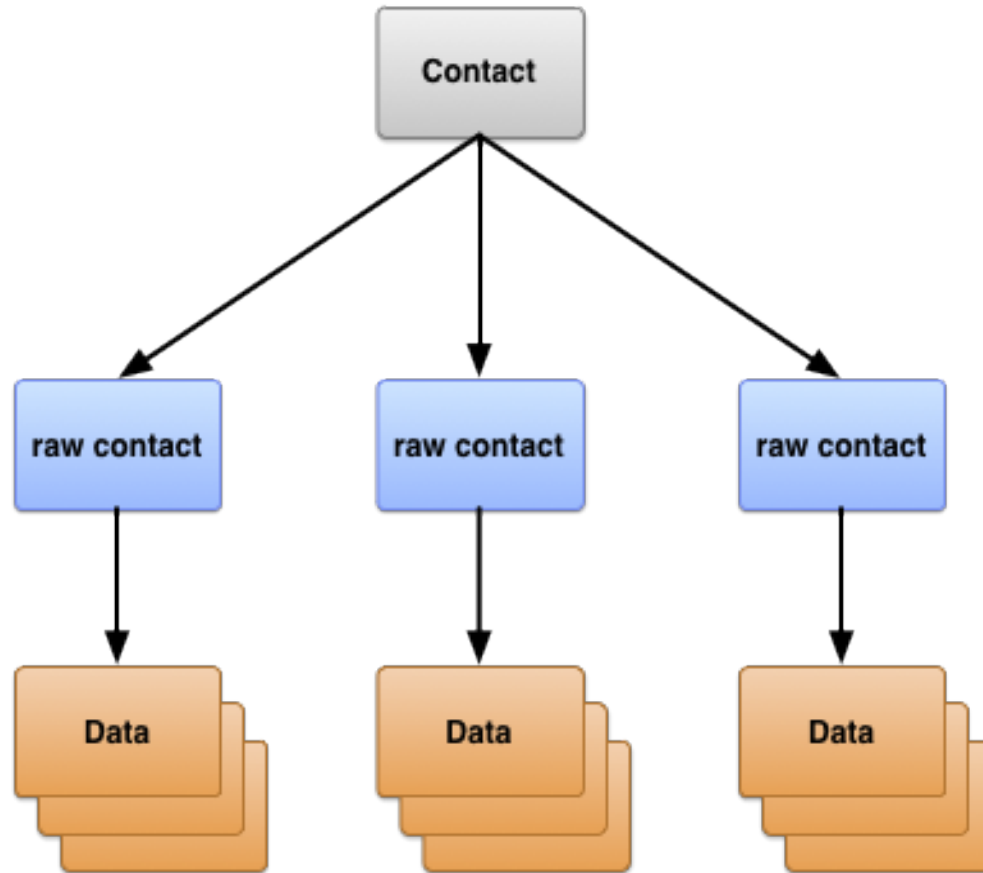
The Fragments



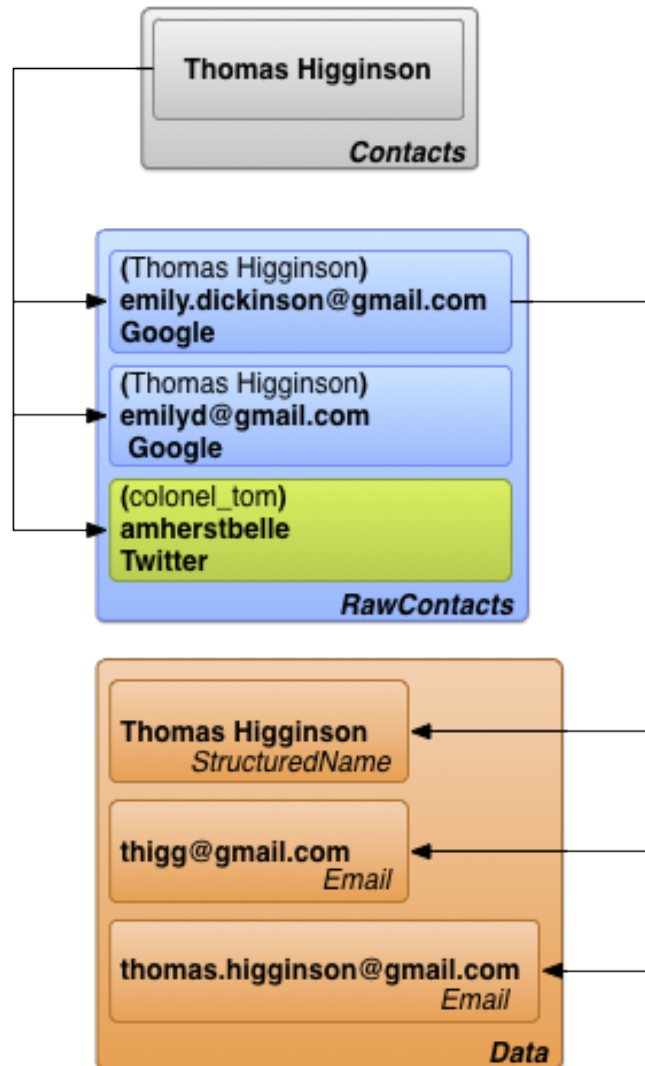
Provide Me



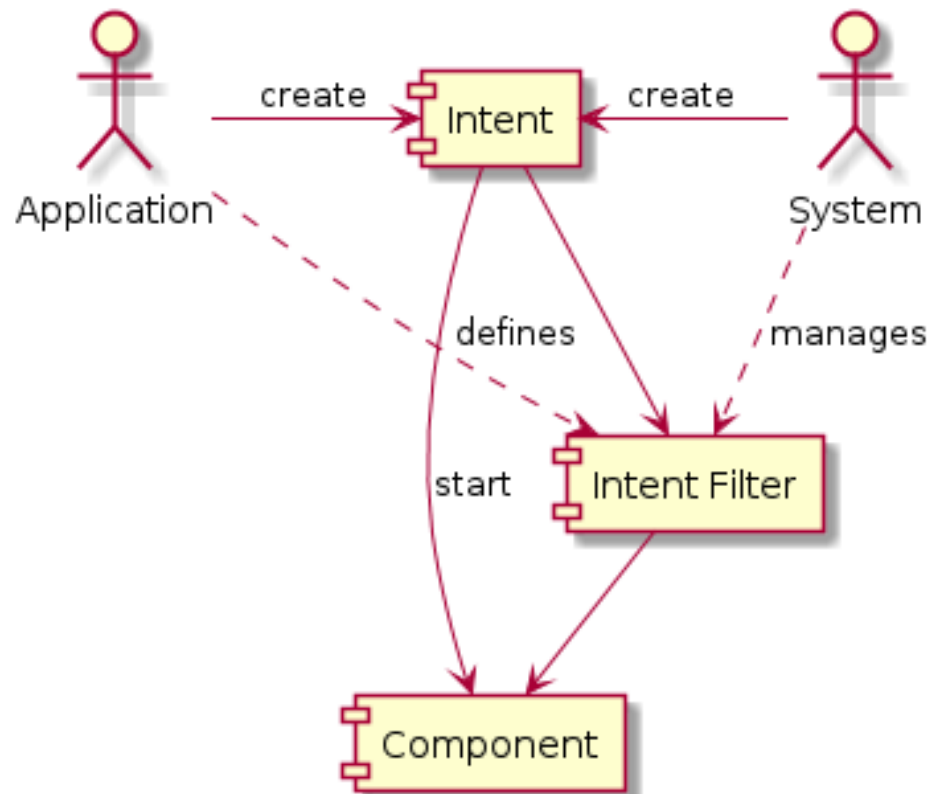
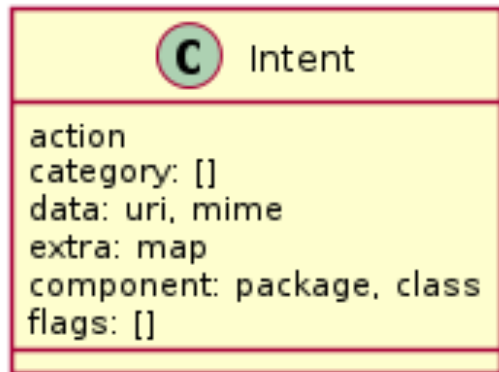
Gosh! Contacts



Gosh! Contacts



The Intent



Show the Contact



In my application when a user clicks on a button I want to open the contacts application and display a particular contacts information.

At the minute I have this:

```
Intent intent = new Intent(Intent.ACTION_VIEW, People.CONTENT_URI);
startActivity(intent);
```

This displays the contact application with all the contacts displayed.

But how do I get it to display just one contact according to the contacts name or number?

This Code works: (answer)

```
Uri contactUri = ContentUris.withAppendedId(People.CONTENT_URI, 23);
Intent intent = new Intent(Intent.ACTION_VIEW, contactUri);
startActivity(intent);
```

android content android-intent contacts

share | improve this question

edited Mar 19 at 17:06

asked Mar 29 '10 at 9:04



Not All Styles Happens

- 5 You need to set the activated style for your list row. The catch is that this is only available on API Level 11 and higher.

One way to do this is to use two separate styles. In `res/values-v11/styles.xml`, you could have:

```
<?xml version="1.0" encoding="utf-8"?>
<resources>
  <style name="activated" parent="android:Theme.Holo">
    <item name="android:background"?android:attr/activatedBackground
  </style>
</resources>
```

Whereas `res/values/styles.xml` you would have:

```
<?xml version="1.0" encoding="utf-8"?>
<resources>
  <style name="activated">
  </style>
</resources>
```

Your row layout would then use that `activated` style, such as:

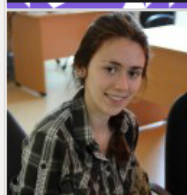
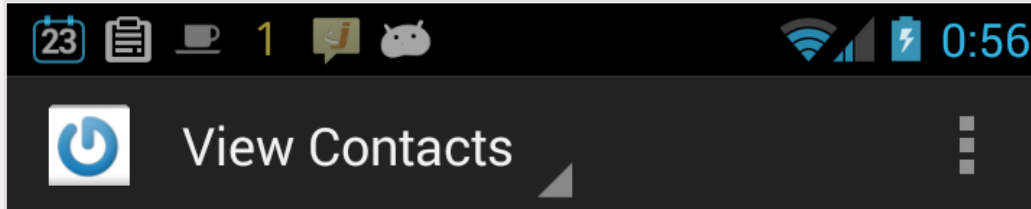
```
<?xml version="1.0" encoding="utf-8"?>
<TextView xmlns:android="http://schemas.android.com/apk/res/android"
  android:id="@android:id/text1"
  android:layout_width="match_parent"
  android:layout_height="wrap_content"
  android:textAppearance="?android:attr/textAppearanceLarge"
  android:gravity="center_vertical"
  android:layout_marginLeft="4dip"
  android:minHeight="?android:attr/listPreferredItemHeight"
  style="@style/activated"
/>
```

Ta-Da!

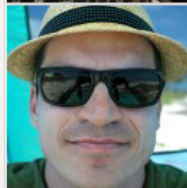
Name			
Android_4	Online		Android
samsung-g	Online		4.3
org.rojek	3148		8616
com.exar	1318		8617

Refresh Rotate Save Copy Done

Captured image:



Aleksandra Veslogu.
avesloguzova@thumbtack.net



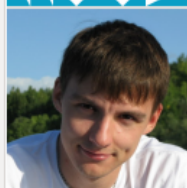
Alex Gleyzer
alex@gleyzer.com



Alex Korovyansky
alex.korovyansky@gmail.com



Alex Korovyansky
alexkorovyansky@gmail.com



Alex Korovyansky
korovyansk@gmail.com



LogCat Console

Saved Filters + Search for m

All messages (n)

L	Time
D	10-23 00
D	10-23 00
D	10-23 00

Devices | logcat ADB logs →

Devices

Samsung Galaxy Nexus A

com.example.android.grava

org.rojekti.clipper (31489)



```
id, Bitmap> {
```

```
s) {
```

```
is.cache.getGravatar(email);
```

```
ensionPixelSize(R.dimen.gravat  
AL_AUDIENCES);  
tImage.IDENTICON);
```

```
jpg, 0, jpg.length);  
atar(email, bitmap);
```

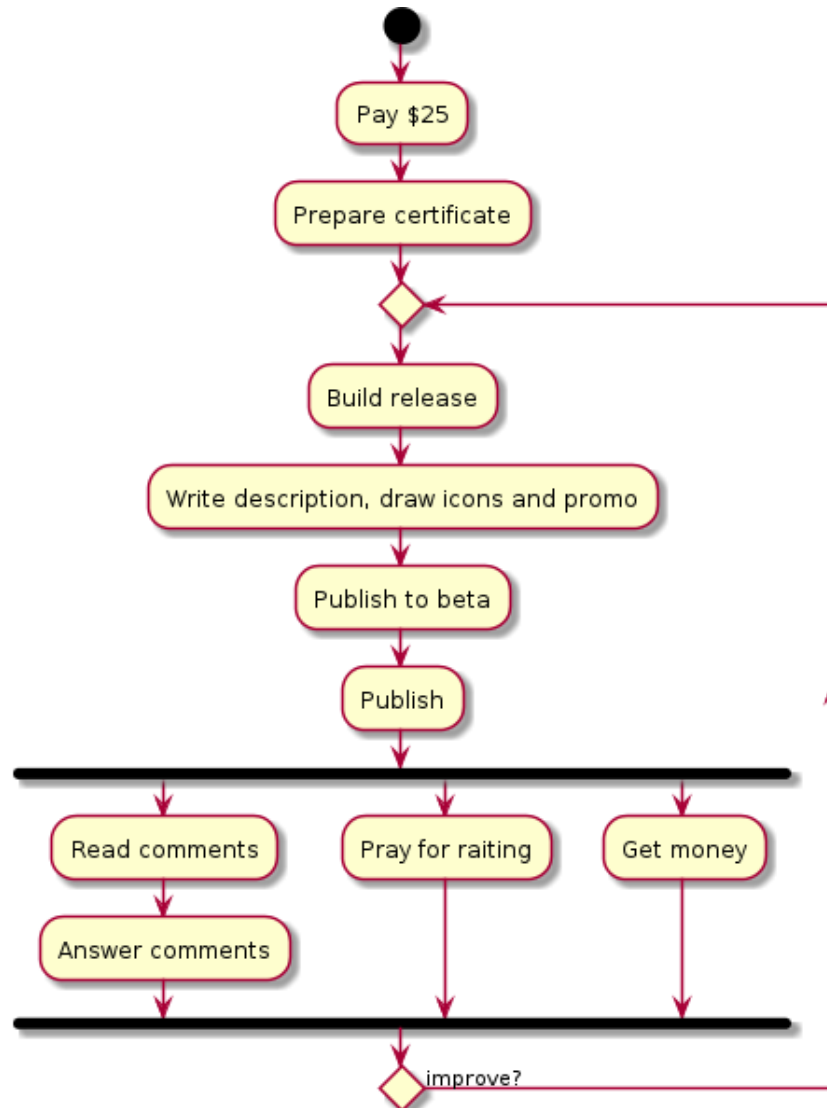
```
", e);
```

Log level: Verbose ▾ 🔍 gr

```
D/dalvikvm: GC_FOR_ALLOC fre  
D/dalvikvm: GC_FOR_ALLOC fre  
D/dalvikvm: GC_FOR_ALLOC fre  
D/dalvikvm: GC_FOR_ALLOC fre  
D/dalvikvm: GC_FOR_ALLOC fre  
D/dalvikvm: GC  
D/dalvikvm: G  
D/dalvikvm: G
```

33

Be Popular



Android Studio

Denis Nelubin

Speaker



System Architector

dnelubin@gmail.com

Thanks

