Chapter 1:

Travel

New York City

Day reappeared. The tempest still raged with undiminished fury; but the wind now returned to the south-east. It was a favourable change, and the Tankadere again.

ACTION 1    ACTION 2
Choose a device

Three Mobile Samsung GT-I9300

Microphone
Uses the device's microphone(s)

Wi-Fi connection information
Allows the app to view information about Wi-Fi networking, such as whether Wi-Fi is enabled and names of connected Wi-Fi devices

Device ID & call information
Allows the app to determine the phone number and device IDs, whether a call is active and the remote number connected by a call

CANCEL INSTALL

We've simplified app permissions. Learn more
Thank you for being a Google Domains beta user and continuing to help us improve the product with your feedback.

Today, we’re happy to let you know that because of your input, we’re releasing a new set of features to help make your domain experience the best possible. And as always, we kindly request your feedback as you begin to test them out. So pick a new domain, set up a site and let us know.

Here’s a list of the updates:

- **We improved the search and suggestion experience** because you requested help finding the perfect domain name.
- **We added over 60 new domain name endings** like .company, .florist and .coffee because you requested more choices as you search.
- **We created a simple dashboard** to manage
Sign in

Confirm fingerprint to continue.

USE PASSWORD    CANCEL

PROCEED TO CHECKOUT
Each Android SDK Platform package includes the Android platform and sources pertaining to an API level by default. Once installed, Android Studio will automatically check for updates. Check "show package details" to display individual SDK components.

<table>
<thead>
<tr>
<th>Name</th>
<th>API Level</th>
<th>Revision</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Android 5.1 (MNC)</td>
<td>23</td>
<td>1</td>
<td>Installed</td>
</tr>
<tr>
<td>Android 5.1 (Lollipop)</td>
<td>22</td>
<td>2</td>
<td>Installed</td>
</tr>
<tr>
<td>Android 5.0 (Lollipop)</td>
<td>21</td>
<td>2</td>
<td>Update available</td>
</tr>
<tr>
<td>Android 4.4 (KitKat Wear)</td>
<td>20</td>
<td>2</td>
<td>Partially installed</td>
</tr>
<tr>
<td>Android 4.4 (KitKat)</td>
<td>19</td>
<td>4</td>
<td>Installed</td>
</tr>
<tr>
<td>Android 4.3 (Jelly Bean)</td>
<td>18</td>
<td>3</td>
<td>Not installed</td>
</tr>
<tr>
<td>Android 4.2 (Jelly Bean)</td>
<td>17</td>
<td>3</td>
<td>Update available</td>
</tr>
<tr>
<td>Android 4.1 (Jelly Bean)</td>
<td>16</td>
<td>5</td>
<td>Partially installed</td>
</tr>
<tr>
<td>Android 4.0.3 (IceCreamSandwich)</td>
<td>15</td>
<td>5</td>
<td>Partially installed</td>
</tr>
<tr>
<td>Android 3.0 (Honeycomb)</td>
<td>11</td>
<td>2</td>
<td>Partially installed</td>
</tr>
<tr>
<td>Android 2.3.3 (Gingerbread)</td>
<td>10</td>
<td>2</td>
<td>Not installed</td>
</tr>
<tr>
<td>Android 2.2 (Froyo)</td>
<td>8</td>
<td>3</td>
<td>Not installed</td>
</tr>
</tbody>
</table>
Chapter 2:
Creates a blank fragment that is compatible back to API level 4.

Fragment Name: ListFragment

- Create layout XML?

Fragment Layout Name: fragment_list

- Include fragment factory methods?
- Include interface callbacks?
Chapter 3:
MainActivity

LIST

CONTACT

Android Contract
6 months rolling contract. The client is a..

Junior Android
New opportunity

Senior Android developer
Amazing opportunity to work in Google
Chapter 4:

Hello World isn't responding. Do you want to close it?

Wait    OK

CPU

Download File
Download File
Download File
Download File
Update View
Update View

Singleton

- singleton : Singleton
- Singleton()
+ getInstance() : Singleton
Chapter 5:
<table>
<thead>
<tr>
<th>name</th>
<th>email</th>
<th>description</th>
<th>country</th>
</tr>
</thead>
<tbody>
<tr>
<td>SuitApps</td>
<td><a href="mailto:info@suitapps.com">info@suitapps.com</a></td>
<td>Small mobile startup</td>
<td>ES</td>
</tr>
<tr>
<td>Monarch IT</td>
<td><a href="mailto:contact@monarchit.com">contact@monarchit.com</a></td>
<td>IT recruiters London</td>
<td>GB</td>
</tr>
<tr>
<td>Brighton IT Recruiters</td>
<td><a href="mailto:contact@brightonit.com">contact@brightonit.com</a></td>
<td>Specialized in Android and ...</td>
<td>GB</td>
</tr>
</tbody>
</table>
Spain

SuitApps
info@suitapps.com
Small mobile startup

Great Britain

Brighton IT Recruiters
contact@brightonit.com
Specialized in Android and iOS developers

Monarch IT
contact@monarchit.com
IT recruiters London
MainActivity

LIST

Senior Android developer
Amazing opportunity to work in Google

Android Contract
6 months rolling contract. The client is a worldwide known digital agency

Junior Android
New opportunity

Android Contract
6 months rolling contract. The client is a worldwide known digital agency
Chapter 6:
Senior Android developer

Amazing opportunity to work in Google

Android Contract

6 months rolling contract. The client is a worldwide known digital agency

Junior Android
Title of the job

Description of the job
Android Contract

6 months rolling contract. The client is a worldwide known digital agency
Senior Android developer

Amazing opportunity to work in Google
Senior Android developer

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut

Senior Android developer

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum. Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.
Senior Android developer

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis
Chapter 7:

<table>
<thead>
<tr>
<th>company</th>
<th>imageUrl</th>
<th>location</th>
</tr>
</thead>
<tbody>
<tr>
<td>SuitApps</td>
<td><a href="http://suitapps.com/wp-content/uploads/201">http://suitapps.com/wp-content/uploads/201</a>... (un</td>
<td></td>
</tr>
<tr>
<td>Facebook</td>
<td><a href="http://media.bestofmicro.com/R/O/464964/or">http://media.bestofmicro.com/R/O/464964/or</a>... (un</td>
<td></td>
</tr>
<tr>
<td>Recruiters LTD</td>
<td><a href="https://media.licdn.com/mpr/mpr/shrinknp_8">https://media.licdn.com/mpr/mpr/shrinknp_8</a>... Read</td>
<td></td>
</tr>
<tr>
<td>Recruiters LTD</td>
<td><a href="https://media.licdn.com/mpr/mpr/shrinknp_8">https://media.licdn.com/mpr/mpr/shrinknp_8</a>... Read</td>
<td></td>
</tr>
<tr>
<td>Recruiters LTD</td>
<td><a href="https://media.licdn.com/mpr/mpr/shrinknp_8">https://media.licdn.com/mpr/mpr/shrinknp_8</a>... Read</td>
<td></td>
</tr>
<tr>
<td>Yahoo</td>
<td><a href="http://cdn3.wccftech.com/wp-content/upload">http://cdn3.wccftech.com/wp-content/upload</a>... Long</td>
<td></td>
</tr>
<tr>
<td>Google</td>
<td><a href="https://upload.wikimedia.org/wikipedia/com">https://upload.wikimedia.org/wikipedia/com</a>... San</td>
<td></td>
</tr>
</tbody>
</table>

This message is very long and the background is not a nine patch

This message is very long and the background is a nine patch
Chapter 8:

```
  +-----------------+    +-----------------+    +-----------------+
  | App             |    | DAO              |    | DB               |
  +-----------------+    +-----------------+    +-----------------+

Buisness Layer

Data Access Layer

Data Layer

Content Provider

  +-----------------+    +-----------------+    +-----------------+
  | App             |    | App              |    | Internet         |
  +-----------------+    +-----------------+    +-----------------+

  |                        |    |                        |    | SQLite           |
  +-----------------+    +-----------------+    +-----------------+

  |                        |    |                        |    | Files            |
  +-----------------+    +-----------------+    +-----------------+
```
Senior Android developer

Permanent
Chapter 9:

App

AUX Scrum
Scrum: Daily touchbase @ 10am
Please be on time so we can cover everything on the agenda.

EMAIL GUESTS  SNOOZE
Create or choose an app

App name

Android package name
com.packtpub.masteringandroidapp

CONTINUE TO
Choose and configure services
Request:
Register

Token

GCM

App Server

Destination:
POST https://gcm-http.googleapis.com/gcm/send

Follow redirects: Off

Authentication:

Headers:
- Content-Type
- application/json
- Authorization
- Server API KEY

Parameters:

Add Parameter(s)
Add Body
Make a table
View your results in a data browser
<table>
<thead>
<tr>
<th>Request Type</th>
<th>Class</th>
<th>Installation ID</th>
<th>Parse User ID</th>
<th>Parse SDK</th>
<th>Parse SDK Version</th>
<th>OS</th>
<th>OS Version</th>
<th>App Build Version</th>
<th>App Display Version</th>
<th>Timestamp (s)</th>
<th>Latency (s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>find</td>
<td>Installation</td>
<td>69829e6a-53bf-44ef-46fe-349f102b9271</td>
<td>JavaScript</td>
<td>Data Browser</td>
<td>1438527</td>
<td>623.888</td>
<td>0.84</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>find</td>
<td>JobOffer</td>
<td>690ba3a-4533-416b-8bcb-baf8ca8f8691268</td>
<td>Android</td>
<td>1.8.1</td>
<td>Android 5.0.1</td>
<td>1</td>
<td>1.0</td>
<td>1438521</td>
<td>657.654</td>
<td>0.019</td>
<td></td>
</tr>
<tr>
<td>push</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1438521</td>
<td>243.757</td>
<td>0.814</td>
</tr>
<tr>
<td>update</td>
<td>Installation</td>
<td>690ba3a-4533-416b-8bcb-baf8ca8f8691268</td>
<td>Android</td>
<td>1.8.1</td>
<td>Android 5.0.1</td>
<td>1</td>
<td>1.0</td>
<td>1438521</td>
<td>698.393</td>
<td>0.041</td>
<td></td>
</tr>
<tr>
<td>find</td>
<td>JobContact</td>
<td>690ba3a-4533-416b-8bcb-baf8ca8f8691268</td>
<td>Android</td>
<td>1.8.1</td>
<td>Android 5.0.1</td>
<td>1</td>
<td>1.0</td>
<td>1438521</td>
<td>686.238</td>
<td>0.037</td>
<td></td>
</tr>
</tbody>
</table>
### Table View

**Define source and range**
- API Events
- 00:00 7/26 - 23:59 8/2

**Maximum number of results**
- 100

**Aggregate**

**Group By**
- OS Version string

**Filter Input Rows**

**Sort Results**

---

### Results

(got 3 rows in 1.127s)

<table>
<thead>
<tr>
<th>OS Version</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.2.2</td>
</tr>
<tr>
<td>5.0.1</td>
</tr>
</tbody>
</table>

---

**Run Query**
<table>
<thead>
<tr>
<th>Count</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>36</td>
<td><code>rest.ContentDownloadManager$3.onPostExecute</code> line 376</td>
</tr>
<tr>
<td>open</td>
<td><code>java.lang.NullPointerException</code></td>
</tr>
<tr>
<td>34</td>
<td><code>SplashActivity.onCoverDownloaded</code> line 248</td>
</tr>
<tr>
<td>resolved</td>
<td><code>java.lang.IllegalStateException: Activity has been destroyed</code></td>
</tr>
<tr>
<td>29</td>
<td><code>fragments.ArticleFragment.onLanguageChanged</code> line 388</td>
</tr>
<tr>
<td>resolved</td>
<td><code>java.lang.NullPointerException</code></td>
</tr>
</tbody>
</table>
Chapter 10:
This is a TextView
Chapter 11:

```java
@Override
public void done(List<JobOffer> jobOffersList, ParseException e) {
    Log.d("ListFragment", "Storing offers: "+jobOffersList.size());
    MasteringAndroidDAO.getInstance().clearDB(getActivity());
    MasteringAndroidDAO.getInstance().storeOffers(getActivity(), jobOffersList.get(jobOffersList.size() - 1), getActivity().getContentResolver(), NOTIFY_CHANGED);
}
```
this = (ListFragment$2@4241)
jobOffersList = (ArrayList@4245) size = 7
0 = (JobOffer@4254)
	description = null
title = null
className = (String@4261) "JobOffer"
createdAt = (Date@4262) "Fri May 08 13:53:57 GMT+00:00 2010"
dataAvailability = (HashMap@4263) size = 11
estimatedData = (HashMap@4264) size = 8
<table>
<thead>
<tr>
<th>Module</th>
<th>Build Variant</th>
</tr>
</thead>
<tbody>
<tr>
<td>app</td>
<td>paidDebug</td>
</tr>
</tbody>
</table>
Test Artifact:  

- Android Instrumentation Tests
- Unit Tests

Module:

- app
  - paidDebug
Uploading file
remote path: /U
local path: /U
Running tests
Test running start

Sending Touch (ACTION_DOWN): 0:(959.0,1325.0)
Sending Touch (ACTION_UP): 0:(962.4416,1320.4006)
// Allowing start of Intent { cmp=com.packtpub.masteringandroidapp/.OfferDetailActivity } in package com.packtpub.masteringandroidapp
Sending Touch (ACTION_DOWN): 0:(11.0,1461.0)
Sending Touch (ACTION_UP): 0:(16.25062,1459.7925)
Sending Touch (ACTION_DOWN): 0:(489.0,1583.0)
Sending Touch (ACTION_UP): 0:(523.0899,1611.7065)
Sending Touch (ACTION_DOWN): 0:(729.0,557.0)
Sending Touch (ACTION_UP): 0:(730.1108,560.88055)
Sending Touch (ACTION_DOWN): 0:(525.0,1110.0)
### Build all the things

<table>
<thead>
<tr>
<th>S</th>
<th>W</th>
<th>Name</th>
<th>Last Success</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>open-data-certificate-master</td>
<td>2 days 21 hr (45)</td>
</tr>
</tbody>
</table>
Chapter 12:

![Image of Android Studio Build Variants]

### Build Variants

**Test Artifact:** Android Instrumentation...

<table>
<thead>
<tr>
<th>Module</th>
<th>Build Variant</th>
</tr>
</thead>
<tbody>
<tr>
<td>app</td>
<td>debug</td>
</tr>
<tr>
<td></td>
<td>release</td>
</tr>
</tbody>
</table>

### Event Log

- **09:25:09** Error Loading Project: Cannot load...
- **09:27:08** Gradle build finished in 22s 162ms
- **09:31:11** Gradle build finished in 3m 0s 61ms

- **src**
  - **androidTest**
    - **free**
  - **main**
    - **assets**
    - **java**
  - **res**
    - **drawable**
Build Variants

Test Artifact: Android Instrumentation...

Module | Build Variant
--- | ---
app | ✓ freeDebug

- freeRelease
- paidDebug
- paidRelease

---

EmojiNation - gui... Edit
SDK iOS free id 652092209

<table>
<thead>
<tr>
<th>COUNTRIES / OPERATORS / NETWORKS</th>
<th>REQUESTS</th>
<th>FillRate</th>
<th>Impressions</th>
<th>Clicks</th>
<th>ECPM</th>
<th>ECPI</th>
<th>Revenue</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sweden</td>
<td>1012.1K</td>
<td>78.69</td>
<td>796 411</td>
<td>10 227</td>
<td>1.28</td>
<td>3.78</td>
<td>$3.01K</td>
</tr>
</tbody>
</table>

Statistics REVENUE

- 30. Mar
- 6. Apr
- 13. Apr

<table>
<thead>
<tr>
<th>Country</th>
<th>Requests</th>
<th>FillRate</th>
<th>Impressions</th>
<th>Clicks</th>
<th>ECPM</th>
<th>ECPI</th>
<th>Revenue</th>
</tr>
</thead>
<tbody>
<tr>
<td>Denmark</td>
<td>307.8K</td>
<td>69.63</td>
<td>214 349</td>
<td>952</td>
<td>0.44</td>
<td>2.64</td>
<td>$654</td>
</tr>
<tr>
<td>Norway</td>
<td>204.5K</td>
<td>78.49</td>
<td>160 523</td>
<td>485</td>
<td>0.3</td>
<td>3.06</td>
<td>$490</td>
</tr>
</tbody>
</table>
First of all download SDK AdToApp and then follow the instruction:

1. Edit Android Manifest.xml file

```xml
<manifest xmlns:android="http://schemas.android.com/apk/res/android">

  <application>
    <meta-data
      android:name="com.google.android.gms.version"
      android:value="@integer/google_play_services_version" />
    <meta-data
      android:name="applovin.sdk.key"
      android:value="" />
    <meta-data
      android:name="adtoapp.sdk.key"
      android:value="" />
    <meta-data
      android:name="adtoapp.sdk.plugin"
      android:value="android" />
  </application>

</manifest>
```
Interstitials & Banners

4 AdToAppSDK Initialization

- src
  - androidTest
    - free
  - main
  - test
  - .gitignore
  - app.iml
  - build.gradle
  - proguard-rules.pro
  - build
Terminal

Antonio:MasteringAndroidApp antonio$ ./gradlew assembleRelease
> Configuring > 1/2 projects > :app
$ Enter keystore password:
INVITE A NEW USER

Email address

Choose a role for this user

- Product lead
- Create & edit draft apps
- Edit store listing, pricing & distribution
- Manage Production APKs
- Manage Alpha & Beta APKs
- Manage Alpha & Beta users
- Create apps distributed only to Google Apps domain
- Change distribution restriction
- View financial reports
- Reply to reviews
- Edit games
- Publish games

Send Invitation  Cancel

Payments Merchant Center

<table>
<thead>
<tr>
<th>Status</th>
<th>Date/Time</th>
<th>Total Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ordered</td>
<td>22-Jun-2015 08:09:08</td>
<td>12999...1373746124131350</td>
</tr>
<tr>
<td>Cancelled</td>
<td>22-Jun-2015 04:31:21</td>
<td>12999...1311175360278315</td>
</tr>
<tr>
<td>Ordered</td>
<td>21-Jun-2015 12:03:13</td>
<td>12999...1360852832805247</td>
</tr>
<tr>
<td>Ordered</td>
<td>20-Jun-2015 02:28:44</td>
<td>12999...1343047272919587</td>
</tr>
</tbody>
</table>
ADD NEW APPLICATION

Default language *

English (United Kingdom) – en-GB

Title *

Mastering Android The Book
26 of 30 characters

What would you like to start with?

Upload APK  Prepare Store Listing  Cancel

Mastering Android The Book
DRAFT  Delete app

APK
Store Listing
Content Rating
Pricing & Distribution

APK

PRODUCTION
Publish your app on Google Play

BETA TESTING
Set up Beta testing for your app

ALPHA TESTING
Set up Alpha testing for your app
Pinterest
Pinterest, Inc.
The app description says it best - Discover, collect, and share inspiration. Pin, share and find the hidden gems today.
DISTRIBUTE IN THESE COUNTRIES

You have not selected any countries.

- SELECT ALL COUNTRIES
- Albania
- Algeria
- Angola
- Antigua and Barbuda

Why can't I publish?

Save draft  Publish app