

# Курс:

## Программирование под Android с нуля

Тренер:

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Лекция 18

Styles, Google Play



# Styles and themes

```
<resources>
  //Application theme
  <style name="AppTheme" parent="Theme.AppCompat.Light.DarkActionBar">
    <item name="android:textColor">#76EE00</item>
    <item name="android:buttonStyle">@style/ButtonStyle</item>
  </style>
  //TextView style
  <style name="TextViewBig" parent="@android:style/Widget.TextView">
    <item name="android:textSize">24sp</item>
  </style>
  //Button style
  <style name="ButtonStyle" parent="@android:style/Widget.Button">
    <item name="android:textColor">#FF000000</item>
  </style>
</resources>

<TextView
  style="@style/TextViewBig"
  android:layout_width="match_parent"
  android:layout_height="wrap_content"
  android:text="@string/hello_world"/>
```

# Drawable

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

    <item android:color="#FF0000" android:state_pressed="true"/>
    <item android:color="#33b5e5"/>

</selector>

<Button
    android:id="@+id/button4"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:onClick="OnClick"
    android:text="Activity 2"
    //Color drawable
    android:textColor="@drawable/button_text_color"/>
```

# Ключ

The image shows a 'New Key Store' dialog box with the following fields and sections:

- Key store path:** A text field with a browse button (...).
- Password:** A text field.
- Confirm:** A text field.
- Key** (Section Header)
  - Alias:** A text field.
  - Password:** A text field.
  - Confirm:** A text field.
  - Validity (years):** A spinner box set to 25.
- Certificate** (Section Header)
  - First and Last Name:** A text field.
  - Organizational Unit:** A text field.
  - Organization:** A text field.
  - City or Locality:** A text field.
  - State or Province:** A text field.
  - Country Code (XX):** A text field.
- Buttons:** 'OK' and 'Cancel' at the bottom right.

Callouts on the right side of the dialog box:

- A callout pointing to the 'Key store path' field with the text 'Хранилище ключей'.
- A callout pointing to the 'Alias' field with the text 'Ключ'.
- A callout pointing to the 'Certificate' section with the text 'Детали ключа'.

# Gradle

```
android {  
    ...  
    signingConfigs {  
        release {           //Параметры подписывания  
            storeFile file("../keystore.jks")  
            storePassword '123456'  
            keyPassword '123456'  
            keyAlias "appkey"  
        }  
    }  
  
    buildTypes {  
        release {           //Включить подписывание  
            signingConfig signingConfigs.release  
            zipAlignEnabled true  
  
            minifyEnabled false  
            proguardFiles getDefaultProguardFile('proguard-android.txt'),  
                'proguard-rules.pro'  
        }  
    }  
}
```

**//Запустить сборку**  
gradlew aR

**//Очистить сборку**  
gradlew clean

# Gradle для продвинутых

```
android {  
    ...  
    signingConfigs {  
        release {  
            storeFile file("../keystore.jks")  
            storePassword new String(System.console().readPassword("\nStore password: "))  
            keyPassword new String(System.console().readPassword("\nStore password: "))  
            keyAlias "appkey"  
        }  
    }  
    ...  
}
```

# AdMob

<https://developers.google.com/admob/android/quick-start?hl=ru>

```
//build.gradle
dependencies {
    compile fileTree(dir: 'libs', include: ['*.jar'])
    compile 'com.android.support:appcompat-v7:22.2.0'
    compile 'com.google.android.gms:play-services-ads:7.8.0'
}
```

```
//strings.xml
<resources>
    <string name="app_name">My Application</string>
    <string name="hello_world">Hello world!</string>
    <string name="action_settings">Settings</string>
    <string name="banner_ad_unit_id">ca-app-pub-3940256099942544/6300978111</string>
</resources>
```

# AdMob

```
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="com.google.android.gms.example.bannerexample" >
    <!-- Include required permissions for Google Mobile Ads to run-->
    <uses-permission android:name="android.permission.INTERNET"/>
    <uses-permission android:name="android.permission.ACCESS_NETWORK_STATE"/>

    <application
        android:allowBackup="true"
        android:icon="@drawable/ic_launcher"
        android:label="@string/app_name"
        android:theme="@style/AppTheme" >
        <!--This meta-data tag is required to use Google Play Services.-->
        <meta-data android:name="com.google.android.gms.version"
            android:value="@integer/google_play_services_version" />
        <activity
            android:name=".MainActivity"
            android:label="@string/app_name" >
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />
                <category android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>

        <!--Include the AdActivity configChanges and theme. -->
        <activity android:name="com.google.android.gms.ads.AdActivity"
            android:configChanges="keyboard|keyboardHidden|orientation|screenLayout|uiMode|screenSize|smallestScreenSize"
            android:theme="@android:style/Theme.Translucent" />
    </application>
</manifest>
```



# AdMob

```
//layout_main.xml
<com.google.android.gms.ads.AdView
    android:id="@+id/adView"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_centerHorizontal="true"
    android:layout_alignParentBottom="true"
    ads:adSize="BANNER"
    ads:adUnitId="@string/banner_ad_unit_id">
</com.google.android.gms.ads.AdView>
```

```
//MainActivity.java
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main);


    AdView mAdView = (AdView) findViewById(R.id.adView);
    AdRequest adRequest = new AdRequest.Builder().build();
    mAdView.loadAd(adRequest);
}
```

# Play markets


- <https://play.google.com/store>
- <http://www.amazon.com/gp/feature.html?ie=UTF8&docId=1001067621>
- [http://html5.oms.apps.opera.com/ru\\_ru/](http://html5.oms.apps.opera.com/ru_ru/)
- <http://www.samsung.com/ua/apps/mobile/galaxyapps/>


# Play market


<https://developer.android.com/distribute/googleplay/index.html>


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 All applications



 Financial reports

 Settings

 Announcements

## ALL APPLICATIONS

[+ Add new application](#)

APP NAME	PRICE	ACTIVE / TOTAL INSTALLS ?	AVG. RATING / TOTAL #	CRASHES & ANRS ?	LAST UPDATE	STATUS
 <b>Animal Translator 1.1</b>	Free	12,078 / 185,410	★ 3.29 / 566		Apr 21, 2010	<b>Published</b>
 <b>Earthquake! 3.8</b>	Free	71,426 / 785,829	★ 4.15 / 6,212		Feb 1, 2013	<b>Published</b>

Page 1 of 1

# Play market

- Название
- Краткое описание
- Полное описание
- Тип приложения
- Категория
- Возрастные ограничения
- Стоимость
- Скриншоты Минимальная длина стороны: 320 пикс. Максимальная длина стороны: 3840 пикс. Необходимо предоставить как минимум два скриншота.
- Значок в высоком разрешении 512 x 512
- Значок для раздела "Рекомендуемые" 1024 x 500 (Ш x В)

# Спасибо за внимание

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