Vidzemes University of Applied Sciences

**Faculty of Engineering**

mobile programming engineering 1

USER: GINTS OLBAČEVSKIS

practical assignment #1

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# Introduction

**Goal.** Develop the first application “Hello world”.

Develop the first application:

* Each member of a group develops an application “Hello world”
  + The application must display the following text:
  + “This is the first application from Group <group number>:
    - <name surname 1>
    - <name surname 2>
    - <name surname 3>
  + And the application was developed by < name surname x>”

# Application contains

MainActivity.java

activity\_main.xml

strings.xml

AndroidManifest.xml

## 2.1. MainActivity.java

**package** lv.gints.helloworld;  
  
**import** androidx.appcompat.app.AppCompatActivity;  
  
**import** android.os.Bundle;  
  
**public class** MainActivity **extends** AppCompatActivity {  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
 }  
}

## 2.2 activity\_main.xml

*<?***xml version="1.0" encoding="utf-8"***?>*<**androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 tools:context=".MainActivity"**>  
  
 <**TextView  
 android:id="@+id/GroupText"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:gravity="center"  
 android:text="@string/app\_text"  
 android:textAllCaps="false"  
 android:textAppearance="@style/TextAppearance.AppCompat.Body1"  
 android:textColor="@color/design\_default\_color\_on\_secondary"  
 android:textSize="14sp"  
 android:typeface="normal"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintLeft\_toLeftOf="parent"  
 app:layout\_constraintRight\_toRightOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"** />  
  
 <**TextView  
 android:id="@+id/DevelopedText"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginBottom="14dp"  
 android:text="@string/app\_developed"  
 android:textColor="@color/black"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.493"  
 app:layout\_constraintStart\_toStartOf="parent"** />  
  
 <**TextView  
 android:id="@+id/UserText"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="14dp"  
 android:text="@string/app\_text\_user"  
 android:textColor="@color/black"  
 android:textSize="18sp"  
 android:textStyle="bold"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.498"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/GroupText"** />  
  
</**androidx.constraintlayout.widget.ConstraintLayout**>

## 2.3 strings.xml

<**resources**>  
 <**string name="app\_name"**>HelloWorld</**string**>  
 <**string name="app\_text"**>This is the first application from User:</**string**>  
 <**string name="app\_text\_user"**>Gints Olbačevskis</**string**>  
 <**string name="app\_developed"**>The application was developed by: Gints Olbačevskis</**string**>  
</**resources**>

## 2.4 AndroidManifest.xml

*<?***xml version="1.0" encoding="utf-8"***?>*<**manifest xmlns:android="http://schemas.android.com/apk/res/android"  
 package="lv.gints.helloworld"**>  
  
 <**application  
 android:allowBackup="true"  
 android:icon="@mipmap/ic\_launcher"  
 android:label="@string/app\_name"  
 android:roundIcon="@mipmap/ic\_launcher\_round"  
 android:supportsRtl="true"  
 android:theme="@style/Theme.HelloWorld"**>  
 <**activity android:name=".MainActivity"**>  
 <**intent-filter**>  
 <**action android:name="android.intent.action.MAIN"** />  
  
 <**category android:name="android.intent.category.LAUNCHER"** />  
 </**intent-filter**>  
 </**activity**>  
 </**application**>  
  
</**manifest**>

# Screenshoots



