

Software Development for Mobile Devices

Submission for Assignment 1.2P

Task 2. Screen resolutions

Display three images in three different device resolutions

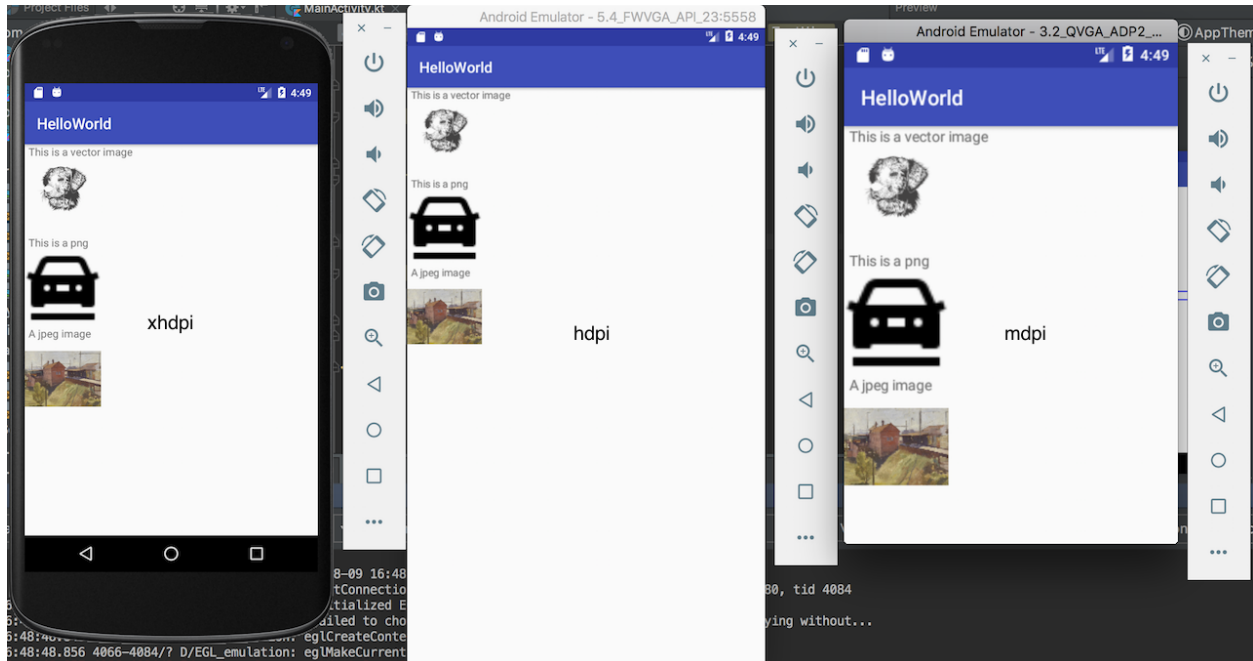


Figure 1: Display three images in three devices

resolution-layout.xml

```
<?xml version="1.0" encoding="utf-8"?>
<android.support.constraint.ConstraintLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent">

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:orientation="vertical">

        <TextView
            android:layout_marginLeft="5dp"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="This is a vector image" />

        <ImageView
            android:layout_width="100dp"
            android:layout_height="100dp"
```

```
        android:src="@drawable/ic_dog"/>

        <TextView
            android:layout_marginLeft="5dp"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="This is a png" />

        <ImageView
            android:layout_width="100dp"
            android:layout_height="100dp"
            android:src="@drawable/car"/>
        <TextView
            android:layout_marginLeft="5dp"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="A jpeg image" />

        <ImageView
            android:layout_width="100dp"
            android:layout_height="100dp"
            android:src="@drawable/station"/>
    </LinearLayout>
</android.support.constraint.ConstraintLayout>
```

Scale up image on XHDPI device

The reason that we should not use low-density images for xhdpi screen is because that the image is not able to display in a good resolution. It automatically being scaled to the correct size and eventually the image is blur as the image below.



Figure 2: Display low density image on XHDPI device