



STWOY JAMS



STUDYJAMS



AGENDA

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WHAT HAVE WE LEARNED?

ANDROID STUDY JAMS - DEVELOPMENT FOR BEGINNERS

Android Study Jams - Development for Beginners

- Android Studio, IDE, Installation;
- Views, ViewGroups;
- Layouts & Components (Text, Edit, Button, Check);
- Debugging;
- Class, Inherits, Methods;
- Object Oriented Programming;
- Intents;
- **Project!**

FINAL PROJECT



ANDROID



Final Project

- Send .zip with your code or share your project in GitHub;
- Make a Presentation (aprox. 4 minutes);
 - Present yourself;
 - Introduces your idea/problem to solve;
 - Screenshots of your app;
 - Describes how you application works;
 - Conclusion; (Problems & Challenges did you face)

A LITTLE BIT OF ANDROID

EXPLORING THE ANDROID

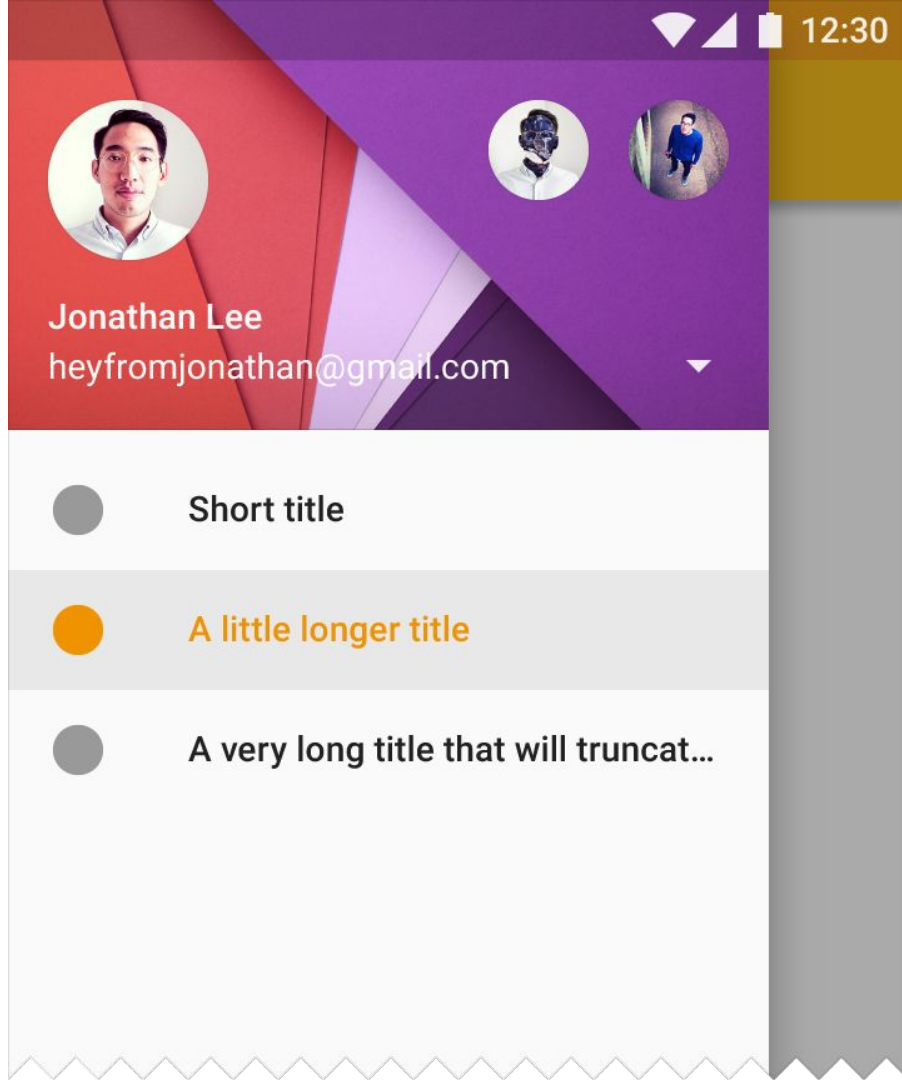
Extra Lesson Navigation Drawer

Is a panel that displays the app's main navigation options on the left edge of the screen.

Notes

- Creating a Navigation Drawer

<http://developer.android.com/training/implementing-navigation/nav-drawer.html>



Extra Lesson

Navigation Drawer

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Notes

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```
<android.support.v4.widget.DrawerLayout xmlns:android="http://schemas.android.com/apk/res-auto"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/drawer_layout"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:fitsSystemWindows="true"
    tools:openDrawer="start">
```

```
<include layout="@layout/drawer_content"
    android:id="@+id/drawer_content"
    android:layout_width="match_parent"
    android:layout_height="match_parent" />
```

```
<android.support.design.widget.NavigationView xmlns:android="http://schemas.android.com/apk/res-auto"
    android:id="@+id/nav_view"
    android:layout_width="wrap_content"
    android:layout_height="match_parent"
    android:layout_gravity="start"
    android:background="@color/white"
    app:headerLayout="@layout/drawer_header"
    app:menu="@menu/drawer_menu" />
```

```
</android.support.design.widget.NavigationView>
```

```
// Setting ActionBar
Toolbar toolbar = (Toolbar) findViewById(R.id.toolbar);
supportActionBar.setSupportActionBar(toolbar);
```

```
// Navigation Drawer
mToggle = new ActionBarDrawerToggle(this, mDrawerLayout, toolbar,
    "Open navigation drawer", "Close navigation drawer");
mDrawerLayout.addDrawerListener(mToggle);
mToggle.syncState();

mNavigationView.setNavigationItemSelectedListener(this);
```

```
<?xml version="1.0" encoding="utf-8"?>
<menu xmlns:android="http://schemas.android.com/apk/res/android">
    <group android:checkableBehavior="single">
        <item
            android:id="@+id/nav_tela1"
            android:icon="@drawable/ic_menu_home"
            android:title="Tela 1" />
        <item
            android:id="@+id/nav_lista"
            android:icon="@drawable/ic_menu_user_list"
            android:title="Lista" />
    </group>
</menu>
```

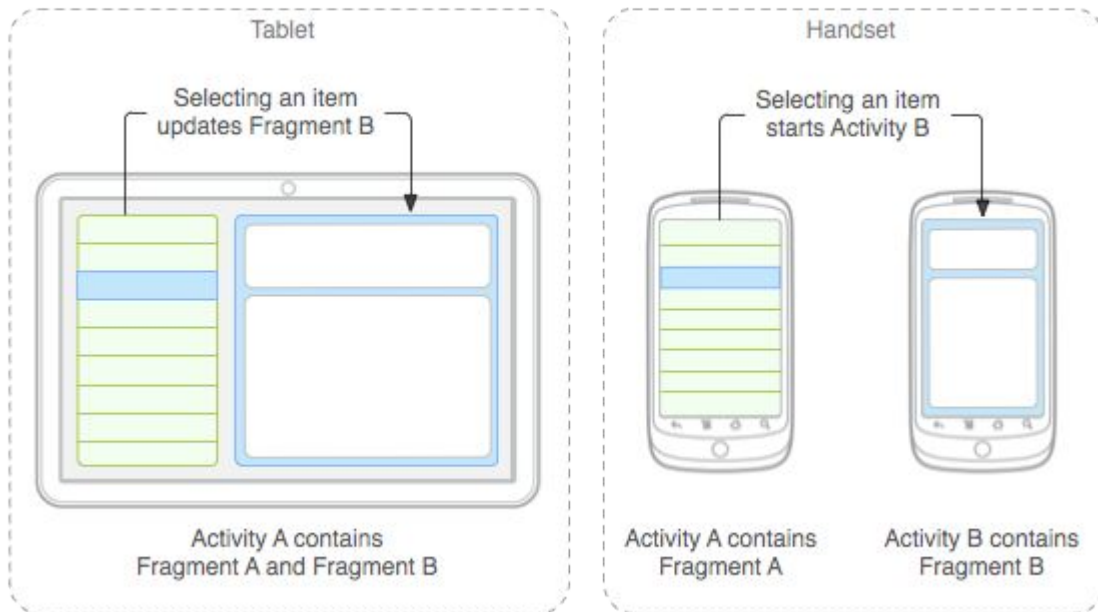
Extra Lesson Fragment

Represents a behavior or a portion of user interface in an Activity.

Notes

- Fragments

<http://developer.android.com/guide/components/fragments.html>



Extra Lesson Fragment

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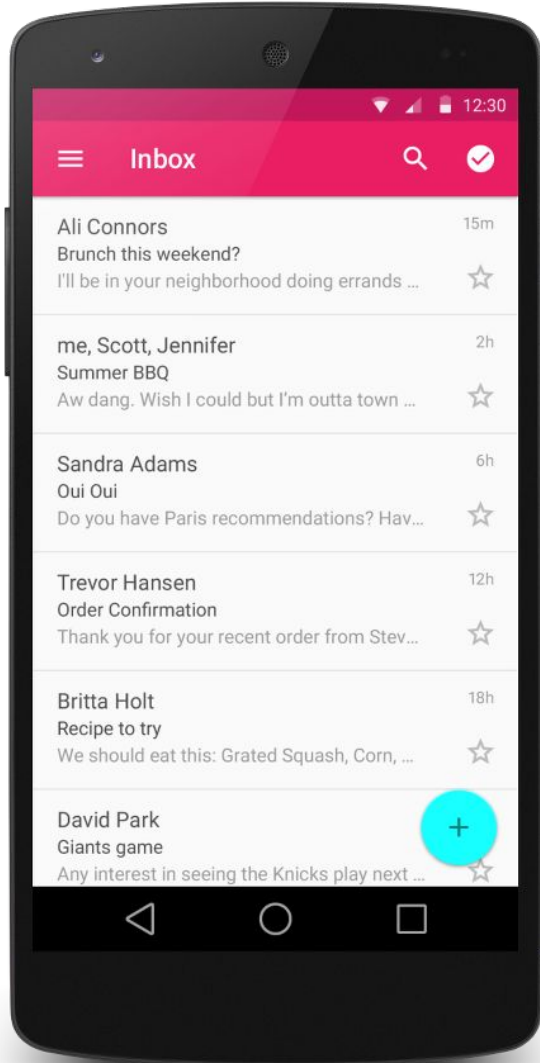
```
public static class ExampleFragment extends Fragment {  
    @Override  
    public View onCreateView(LayoutInflater inflater, ViewGroup container,  
                             Bundle savedInstanceState) {  
        // Inflate the layout for this fragment  
        return inflater.inflate(R.layout.example_fragment, container, false);  
    }  
}
```

Extra Lesson RecyclerView

To create complex lists and cards with material design styles in your apps, you can use the RecyclerView.

Notes

- Creating Lists and Cards <http://developer.android.com/training/material/lists-cards.html>



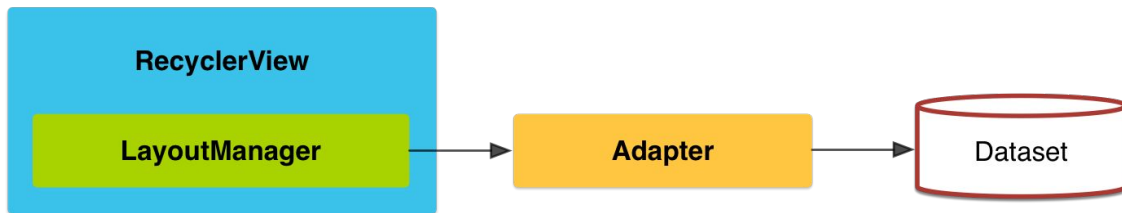
Extra Lesson

RecyclerView

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Notes

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Extra Lesson

Permissions

You declare that your app needs a permission by listing the permission in the **App Manifest**.

Notes

- Using Permission

<http://developer.android.com/guide/topics/security/permissions.html>

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

    <uses-permission android:name="android.permission.SEND_SMS"/>

    <application ...>
        ...
    </application>

</manifest>
```

Extra Lesson

Community Libraries

The dependencies element is outside and after the android element.

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```
...
dependencies {
    // Module dependency
    compile project(":lib")

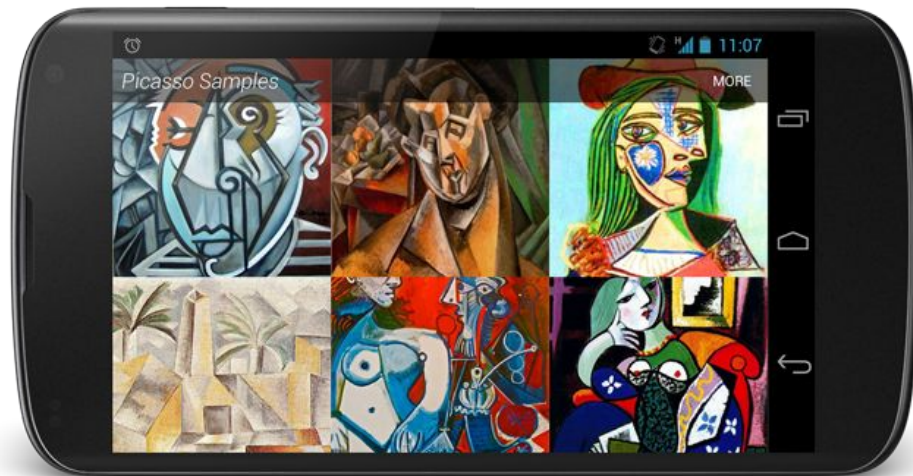
    // Remote binary dependency
    compile 'com.android.support:appcompat-v7:19.0.1'

    // Local binary dependency
    compile fileTree(dir: 'libs', include: ['*.jar'])
}
```

Extra Lesson Picasso

A powerful image downloading and caching library for Android.

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```
compile 'com.squareup.picasso:picasso:2.5.2'
```

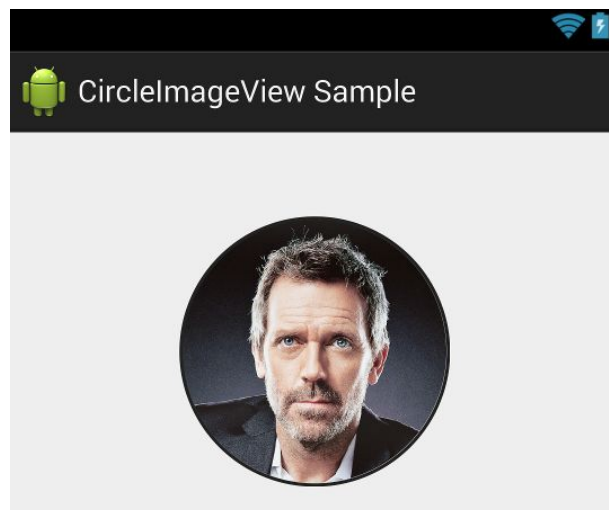
```
Picasso.with(context).load("http://i.imgur.com/DvpvklR.png").into(imageView);
```


Extra Lesson

CircleImageView

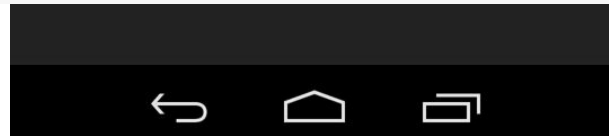
A fast circular ImageView perfect for profile images.

— — —



```
compile 'de.hdodenhof:circleimageview:2.0.0'
```

```
<de.hdodenhof.circleimageview.CircleImageView  
    xmlns:app="http://schemas.android.com/apk/res-auto"  
    android:id="@+id/profile_image"  
    android:layout_width="96dp"  
    android:layout_height="96dp"  
    android:src="@drawable/profile"  
    app:civ_border_width="2dp"  
    app:civ_border_color="#FF000000"/>
```



References

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- <https://goo.gl/YSLgK1> ← **essa apresentação**
- <https://goo.gl/ROI1kl> (Avaliação do Projeto)
- gdgbh.slack.com (Private Channel: **#android-study-jam**)
- <http://developer.android.com/training/index.html>
- <https://www.google.com/design/spec/material-design/introduction.html>
- <https://github.com/gdg-bh/android-study-jam> ← (CoolStuff Project)

SUPPORT

HOW IS GOING YOUR PROJECT?

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* Sim, já trabalhei no mercado por 9 anos.