Intents

Your first app assignment

We will make this. Decidedly lackluster.









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e	ca.gorskicompsci.www.st prycubes	3	Java Code							
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2	▼ C eres	9	<pre>@Override</pre>							
8	drawable	10 0	<pre>super.onCreate(savedInstanceState) { super.onCreate(savedInstanceState);</pre>							
btri	🔻 🖬 layout	12	<pre>setContentView(R.layout.activity_main);</pre>							
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	🗏 <u>0</u> : Messages 📧 Terminal 🏺 <u>6</u> : Android Monitor 🤄 TODO Gradle build finished in 17s 560ms (9 minutes ago)									

Buttons that work

<**Button**

/>

Id – needed only if the View changes OR for relative layout.

android:id="@+id/send" android:layout_width="wrap_content" android:layout_height="wrap_content" android:text="Begin" android:layout_gravity="center_horizontal" android:onClick="toSecond"

> Method in Java file associated with this button.

Java file associated with last button...

package ca.gorskicompsci.www.storycubes;

import android.content.Intent;

import android.support.v7.app.AppCompatActivity;

- import android.os.Bundle;
- import android.view.View;

Libraries

public class MainActivity extends AppCompatActivity {

```
@Override
protected void onCreate(Bundle savedInstanceState);
super.onCreate(savedInstanceState);
setContentView(R.layout.activity_main);
}
public void toSecond(View view){
For the button's
onClick
```

Making a new screen

Make a new activity and it will follow.



Create a new Empty Activity

14:32 CRLF\$ UTF-8 Context: < no context> Ъ

Configure Acti	New Andr	roid Activity	× Choose the name you
	Creates a new empty a	activity	want. Click finish.
÷	Activity Name:	Generate Layout File	
	Layout Name:	activity_instructions Launcher Activity	
	Package name:	Backwards Compatibility (AppCompat)	
	Target Source Set:	main	
	The name of the activ	ity class to create	
		Previous Next Cancel Fini	ish



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Instant Run applied code changes and restarted the app. // (Don't show again) (11 minutes ago)

5:31 CRLF\$ UTF-8 Context: < no context> 🛛 🔂

Q



public void toSecond(View view) { Intent i = new Intent(this,

InstructionsActivity.class);

startActivity(i);

The class name (in Java) of the XML/java pair you want.

```
Android Emulator - Nexus 4 API 25:5554
                                                                                          Screen
<?xml version="1.0" encoding="utf-8"?>
                                                                                                               Story Cubes
<LinearLayout
xmlns:android="http://schemas.android.com/apk/res/android"
    android: layout width="match parent"
                                                                                                               Welcome to Story Cubes
    android: layout height="match parent"
                                                       package ca.gorskicompsci.www.storycubes;
    android:paddingLeft="16dp"
    android:paddingRight="16dp"
                                                       import android.content.Intent;
    android:orientation="vertical" >
                                                       import android.support.v7.app.AppCompatActivity;
                                                       import android.os.Bundle;
    <TextView
                                                       import android.view.View;
         android:layout width="match parent"
                                                       public class MainActivity extends AppCompatActivity {
         android:layout height="wrap content"
         android:text="Welcome to Story Cubes"
                                                           Override
         android:textSize="30dp"
                                                           protected void onCreate (Bundle savedInstanceState) {
         android:paddingTop="150dp"
                                                               super.onCreate(savedInstanceState);
         android:paddingBottom="100dp"
                                                               setContentView(R.layout.activity main);
       />
                                                           public void toSecond(View view) {
    <Button
                                                               Intent i = new Intent(this, InstructionsActivity.class);
         android:id="@+id/send"
                                                               startActivity(i);
         android: layout width="wrap content"
         android: layout height="wrap content"
         android:text="Begin"
         android: layout gravity="center horizontal"
         android:onClick="toSecond"/>
</LinearLayout>
```

Android Emulator - Nexus 4 API 25:55 <?xml version="1.0" encoding="utf-8"?> 1 8 9:1 <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"</pre> Story Cubes android: layout width="match parent" Screen android:layout_height="match parent" Great Instructions android:paddingLeft="16dp" android:paddingRight="16dp" PLAY GREAT GAME android: orientation="vertical" > package ca.gorskicompsci.www.storycube <TextView android: layout width="wrap content" import android.content.Intent; android: layout height="wrap content" import android.support.v7.app.AppCompatActivity; import android.os.Bundle; android:text="Great Instructions" import android.view.View; android: layout gravity="center horizontal" android:textSize="30dp" public class InstructionsActivity extends AppCompatActivity { android:paddingTop="150dp" android:paddingBottom="100dp" Override protected void onCreate(Bundle savedInstanceState) { super.onCreate(savedInstanceState);

<Button

/>

```
android: id="@+id/send"
android: layout width="wrap content"
android:layout height="wrap content"
android:text="Play Great Game"
android:layout gravity="center horizontal"
android:onClick="toGame"/>
```

</LinearLayout>

```
public void toGame(View view) {
    Intent i = new Intent(this, Game.class);
    startActivity(i);
```

setContentView(R.layout.activity instructions);

<?xml version="1.0" encoding="utf-8"?> package ca.gorskicompsci.www.storycubes; <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android" import android.content.Intent; android:layout width="match parent" import android.support.v7.app.AppCompatActivity; android: layout height="match parent" import android.os.Bundle; Screen android:paddingLeft="16dp" import android.view.View; import android.widget.ImageButton; android:paddingRight="16dp" android:orientation="vertical" > 3 public class Game extends AppCompatActivity { <TextView @Override android: layout width="wrap content" protected void onCreate(Bundle savedInstanceState) { android: layout height="wrap content" super.onCreate(savedInstanceState); Android Emulator - Nexus_4_API_25:5554 setContentView(R.layout.activity game); android:text="Click to roll the story dice." android:layout gravity="center horizontal" · **9** 9:17 android:paddingTop="100dp" Story Cubes public void backtoInstructions(View view) { android:paddingBottom="50dp" Intent i = new Intent(this, InstructionsActivity.class); android:textSize="25dp"/> startActivity(i); Click to roll the story dice. < ImageButton public void roll(View view) { android: layout width="wrap content" ImageButton ib = (ImageButton) findViewById(R.id.dice); android: layout height="wrap content" int num = (int) (Math.random()*6); android:layout gravity="center horizontal" if(num==1)NSTRUCTIONS ib.setImageResource(R.drawable.scl); android:src="@drawable/sc1" else if(num==2) android:onClick="roll" ib.setImageResource(R.drawable.sc2); android: id="@+id/dice" else if(num==3) /> ib.setImageResource(R.drawable.sc3); <Button else if(num==4) ib.setImageResource(R.drawable.sc4); android: id="@+id/send" else if(num==5) android: layout width="wrap content" ib.setImageResource(R.drawable.sc5); android: layout height="wrap content" else android:text="Instructions" ib.setImageResource(R.drawable.sc6); android:layout gravity="center horizontal" android:onClick="backtoInstructions"/>

</LinearLayout>

public void roll(View view) {

```
ImageButton ib = (ImageButton) findViewById(R.id.dice);
```

```
int num = (int) (Math.random()*6);
```

if(num==1)

ib.setImageResource(R.drawable.scl);
else if(num==2)

ib.setImageResource(R.drawable.sc2);

```
else if(num==3)
```

ib.setImageResource(R.drawable.sc3);

```
else if(num==4)
```

ib.setImageResource(R.drawable.sc4);

```
else if(num==5)
```

ib.setImageResource(R.drawable.sc5);

else

ib.setImageResource(R.drawable.sc6);

To Roll the Dice

