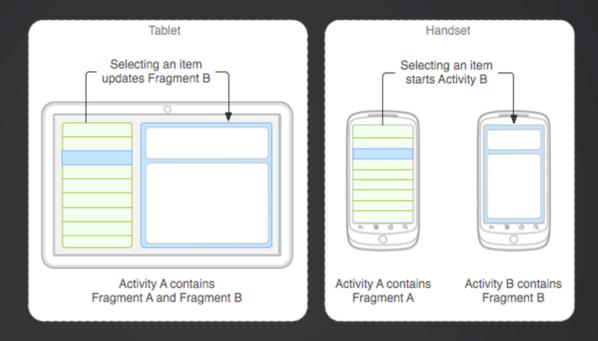
GNOROL

Friday Lunch Talks

Session 4

Advance UI Development



Can be compared to a JPanel in Swing

Can be compared to a JPanel in Swing

Available since Android 3.0 (API 11)

Can be compared to a JPanel in Swing

Available since Android 3.0 (API 11)

Have their dedicated lifecycle

Inflate the View

Fragment Transaction

```
FragmentManager fm = getFragmentManager();
FragmentTransaction fragmentTransaction = fm.beginTransaction();
ExampleFragment fragment = new ExampleFragment();
fragmentTransaction.add(R.id.fragment_container, fragment);
fragmentTransaction.commit();
```

Can be applied to every View

Can be applied to every View

Animations for Alpha, Scale, Translate and Rotate available

Can be applied to every View

Animations for Alpha, Scale, Translate and Rotate available

Animations can be combined

Animation in XML

Animation in XML

```
<set android:shareInterpolator="false"</pre>
     android:interpolator="@android:anim/decelerate interpolator">
    <scale</pre>
       android:fromXScale="0.0"
       android:toXScale="1.0"
       android:fromYScale="0.0"
       android:toYScale="1.0"
       android:duration="250"/>
    <rotate</pre>
       android:fromDegrees="0"
       android:toDegrees="360"
       android:duration="250" />
</set>
```

Animation in Java

Animation in Java

```
Animation scaleAnim = new ScaleAnimation(0.0f, 1.0f, 0.0f, 1.0f);
scaleAnim.setDuration(250);

Animation rotateAnim = new RotateAnimation(0.0f, 360.0f);
scaleAnim.setDuration(250);

AnimationSet fancyAnimationSet = new AnimationSet(true);
fancyAnimationSet.setInterpolator(new DecelerateInterpolator());
fancyAnimationSet.addAnimation(scaleAnim);
fancyAnimationSet.addAnimation(rotateAnim);
```

Load Animation (only XML)

Load Animation (only XML)

Load Animation (only XML)

Start Animation

Load Animation (only XML)

Start Animation

myView.startAnimation(fancyAnimationSet);

Own Views

Own Views

Custom View



override onDraw()

Own Views

Custom View



override onDraw()

Compound View



stick together existing View

You bubbled enough!

Let's start!!!

