Android for .NET Developers Series
Building an Android App
Adding Activities

Jim Wilson

jimw@jwhh.com

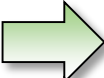@hedgehogjim
http://facebook.com/hedgehogjim
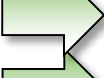
http://hedgehogjim.wordpress.com

pluralsight
hardcore developer training

Outline

- Overview of Activity display
- Adding Activities to an app
- Displaying Activities
- Adding menus to new Activities
- Closing Activities

Creating and Displaying Activities

First App Test

Hello World

Show Activity 2
Show Activity 3
Exit

Has menu

Activity 2

This is activity 2

No menu

Activity

This is Activity 3

Has menu

startActivity
  package: FirstAppTest
  com.pluralsight.firstapptest.Activity2

Package
Manager

Package: FirstAppTest

com.pluralsight.firstapptest.MainActivity

com.pluralsight.firstapptest.Activity2

com.pluralsight.firstapptest.Activity3

AndroidManifest.xml

```xml
<manifest . . . >
 . . .
 <application . . . >
  <activity
    android:name=".MainActivity" . . . />

  <activity
    android:name=".Activity2"    . . . />

  <activity
    android:name=".Activity3"    . . . />
 </application>
 . . .
</manifest>
```

Summary

➡ **An application package can contain many Activities**

➡ **Each Activity must be listed in AndroidManifest.xml**

➡ **Activities are displayed with the startActivity method**

    ◻ Pass an Intent identifying the Activity to display

➡ **Each Activity manages its own menu**

    ◻ Activities are not required to have a menu

➡ **Program in terms of the Activity lifetime**

    ◻ Android manages the lifetime of the process