Intro to Android

Actually Developing for Android 2.2

- Requirements
- SDK/AVD
- Eclipse Plug-in
- Hello World

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Intro to Android: Requirements

- **OS**
  - Windows XP, Vista or Windows 7
  - Mac OS 10.5.8 or later (Leopard)
  - Linux (e.g., Ubuntu Hardy Heron)
- **IDE**
  - Eclipse 3.4 or 3.5 (not 3.6/Helios yet)
  - Eclipse IDE for Java Developers for example
- **Java**
  - JDK 5 or 6 (1.5 or 1.6)

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Intro to Android: SDK

• Download and unpack the appropriate “Android SDK and AVD manager”

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<th>Package</th>
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• This is a program that downloads and manages the installation of libraries for you
• Load the correct “Platform SDK”
• Create an Android Virtual Device

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The Eclipse Plug-in is called the "ADT"

- Android Development Tools
- Support for menu options in Eclipse which support
  - Automatically building Android projects
  - User-Interface building for Android
  - Debugging support for Android
  - Packaging files for the Android Market (.apk files)
- The ADT is installed from within Eclipse

• Install the plug-in
• Restart Eclipse
• Configure the plug-in

Intro to Android: Eclipse Plug-in

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Hello World

- Create a project
- Build a basic U/I
- Run the Application
- Improve the U/I
- Debug the Application

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