

Android for .NET Developers Series

Getting Started

Understanding Android Projects

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Outline

- Android project decisions
- Key Android project members
- Android project build steps

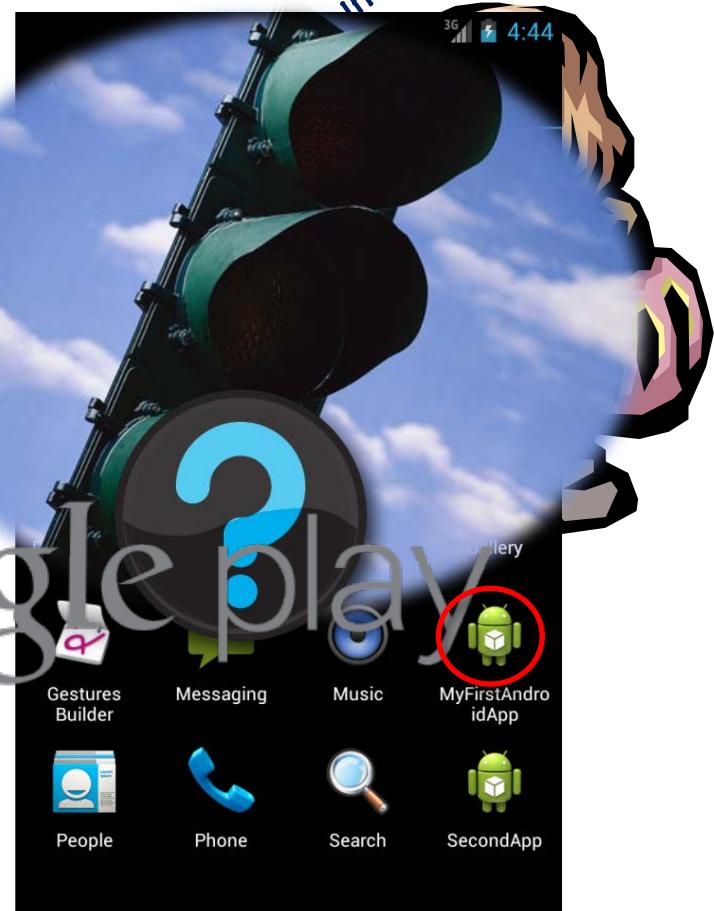
Android project decisions

Things to decide before creating your Android project

Project name

- Affects how classes are packaged
- Affects identity on Google Play

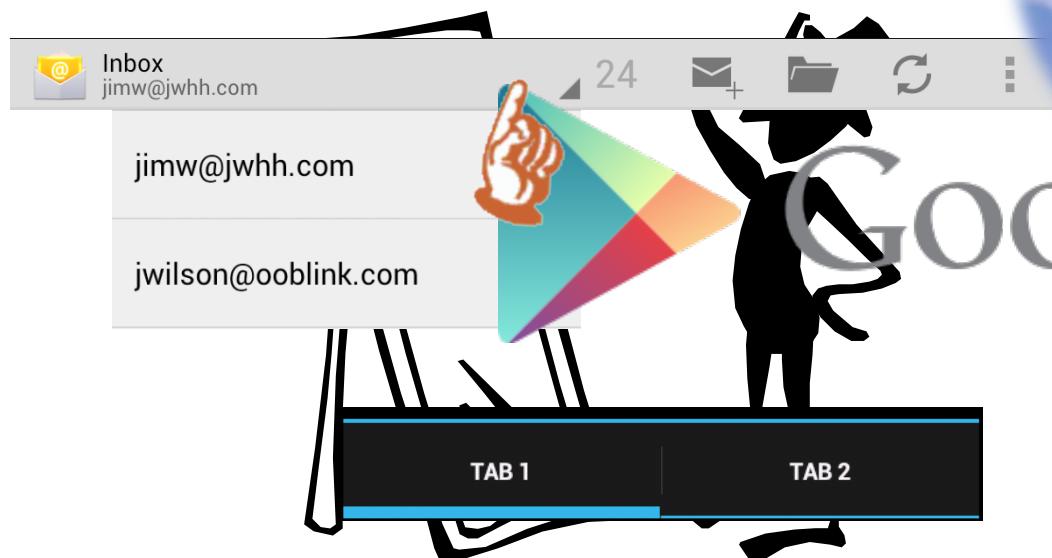
in a name?



App Appearance

- Android launcher icon
- User interface flow and structure

Android versions to support



Android project members

There are 3 kinds of project members most commonly interacted with

Java files

- Folder: `src` folder under project root
 - Organized in a structure that matches package name
 - Contain app source code

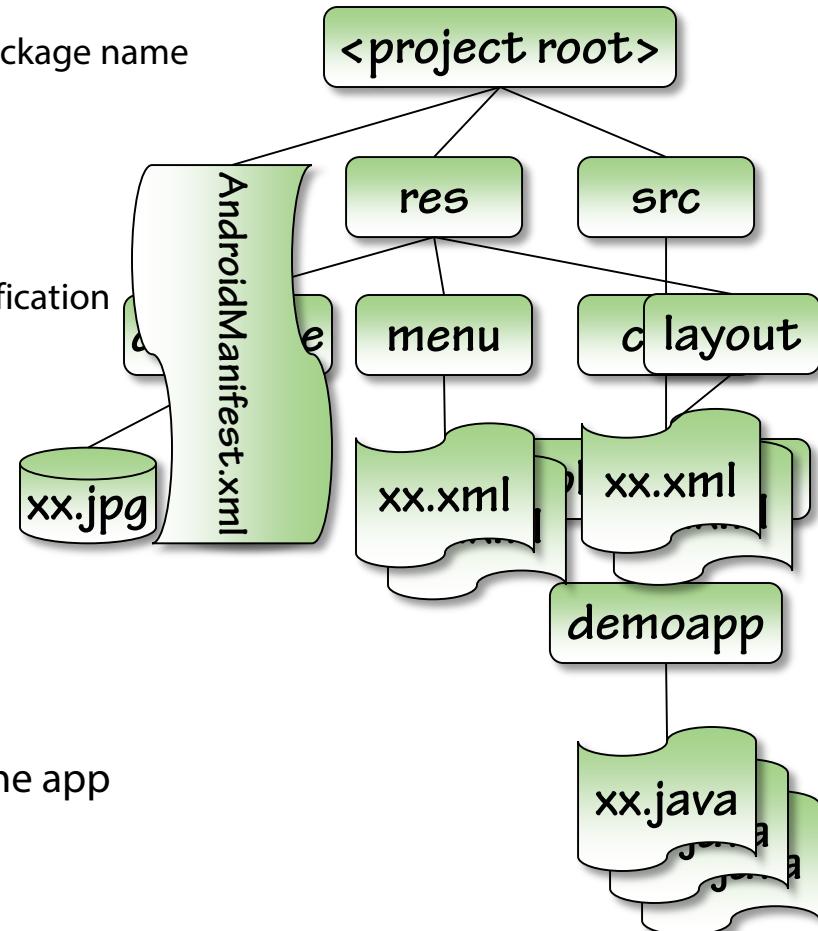
Resource files

- Folder: `res` folder under project root
 - Organized in structure by resource classification
 - Contain most non-source code items
 - UI layout, menus, strings, constants
 - Usually an XML file
 - Images, animations, etc.
 - Media files

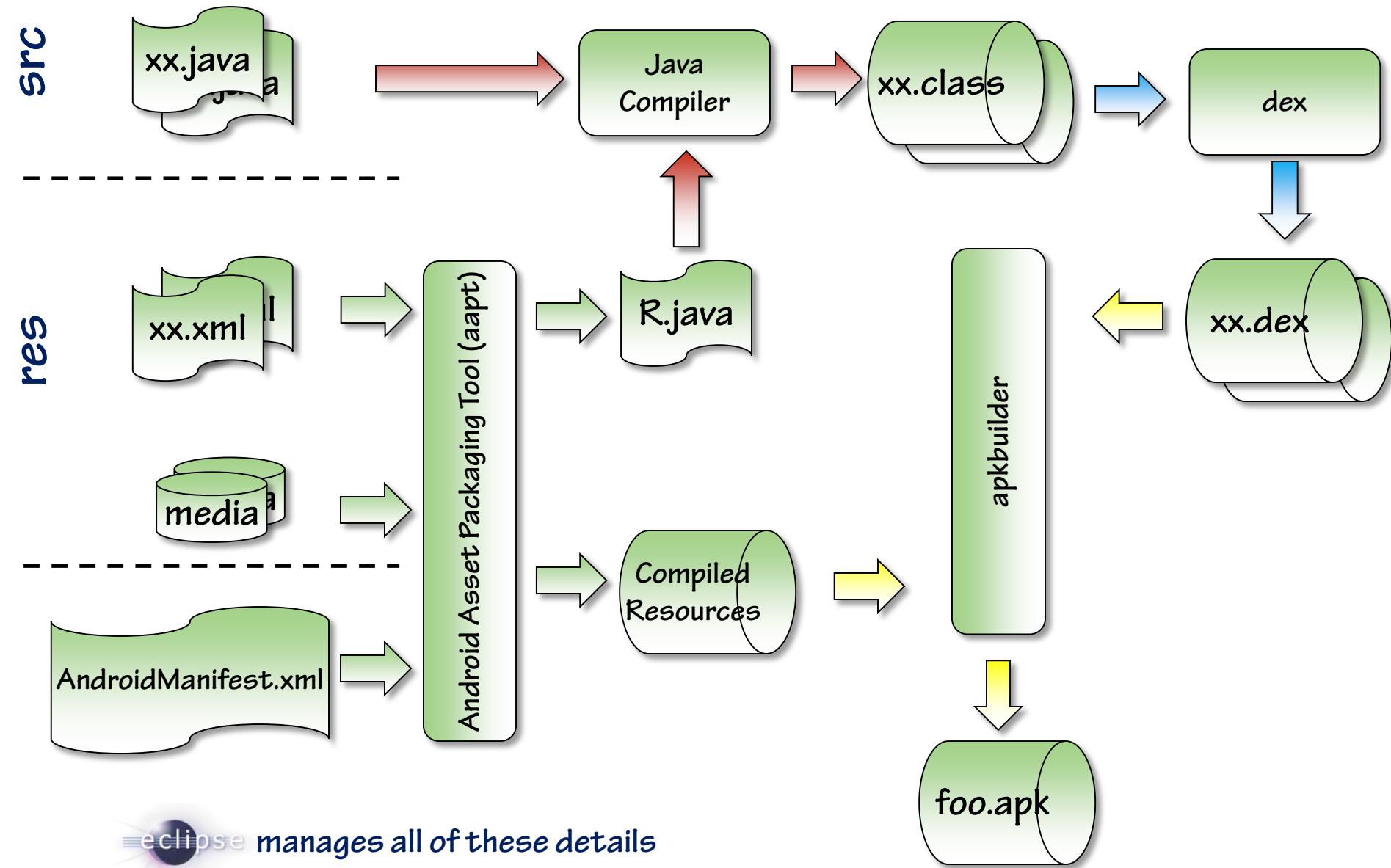
AndroidManifest.xml file

- Folder: project root
- Contains identifying information about the app

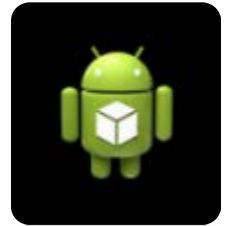
Package Name: `com.pluralsightdemoapp`



Android project build



Summary



Google play

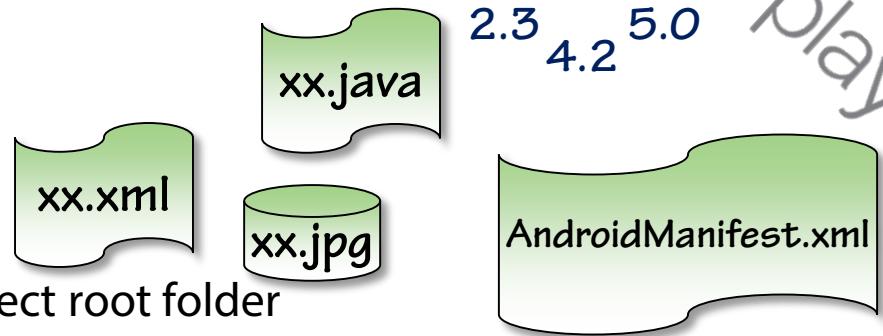
2.3 4.2 5.0

Things to decide before creating your project

- Names: Display name, project name, package name
- Appearance: icon, user interface flow & structure
- Supported Android versions

Key project members

- Java in the src folder
- Resource files in the res folder
- AndroidManifest.xml in the project root folder



Most important parts of the build process

- Resource contents used to generate R.java file
 - Used in Java source to identify resource contents
- The generated *.apk file contains the fully constructed application package

