

# Android for .NET Developers Series

## Getting Started

### Understanding Android Projects

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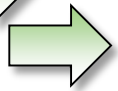
**pluralsight**  
hardcore developer training

# Outline

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

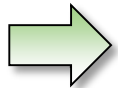
# Android project decisions

## → Things to decide before creating your Android project



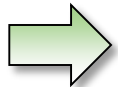
### Project name

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

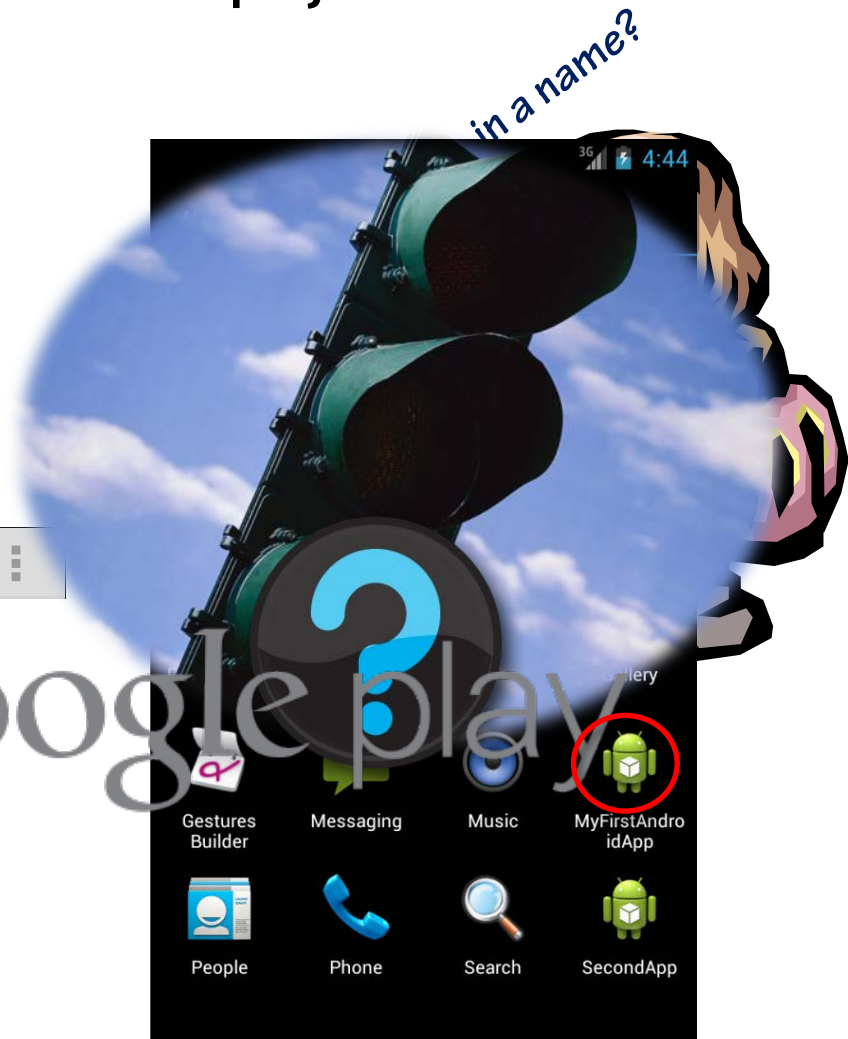
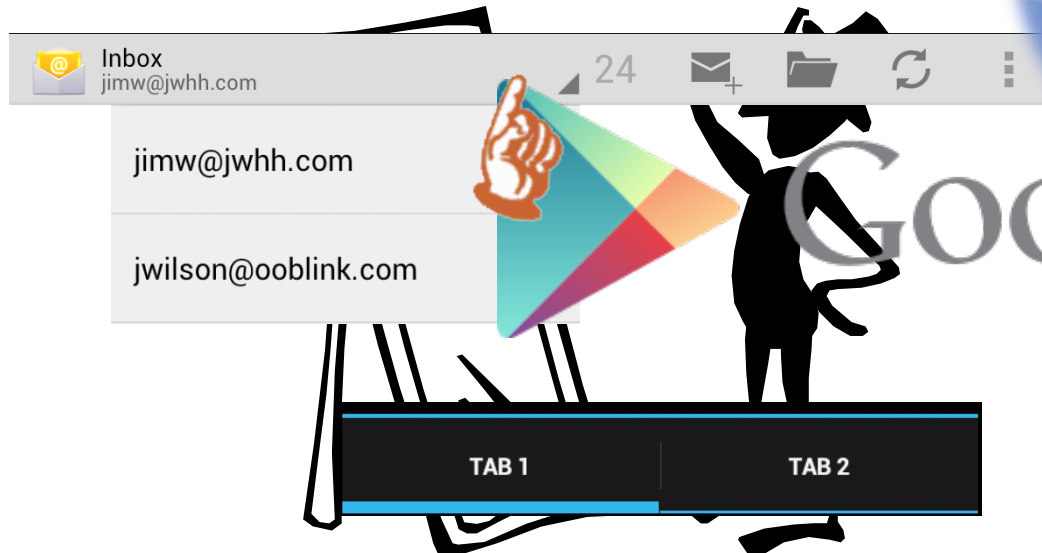


### App Appearance

- 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

Package Name: `com.pluralsightdemoapp`

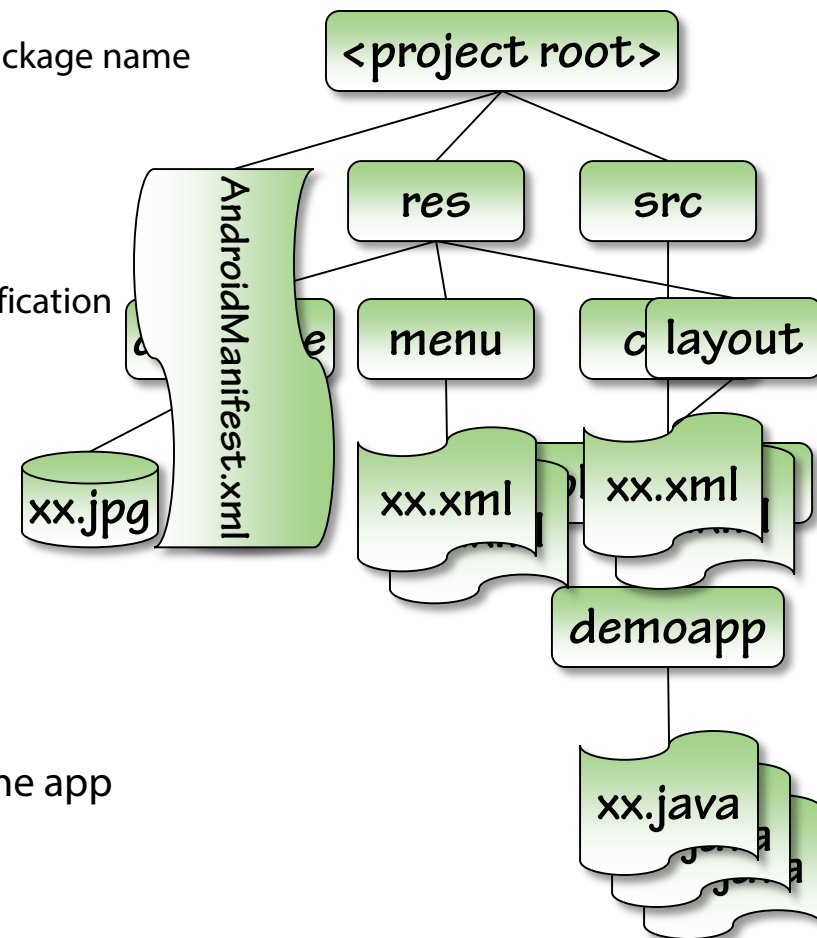
- ❑ Folder: `src` folder under project root
  - ❑ Organized in a structure that matches package name
- ❑ Contain app source code

➔ Resource files

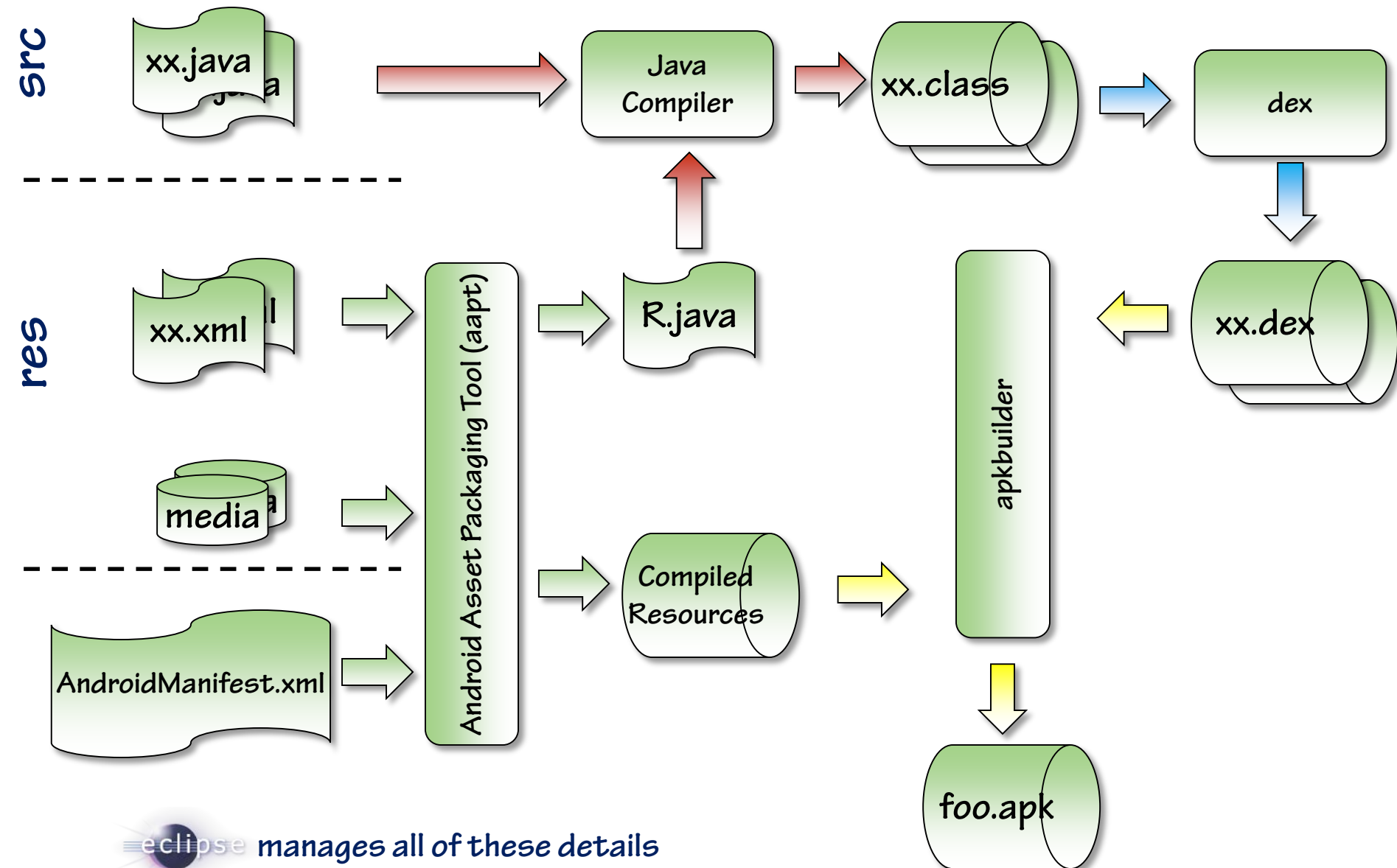
- ❑ Folder: `res` folder under project root
  - ❑ Organized in structure by resource classification
- ❑ Contain most non-source code items
- ❑ UI layout, menus, strings, constants
  - ❑ Usually an XML file
- ❑ Images, animations, etc.
  - ❑ Media files

➔ AndroidManifest.xml file

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



# Android project build



# Summary



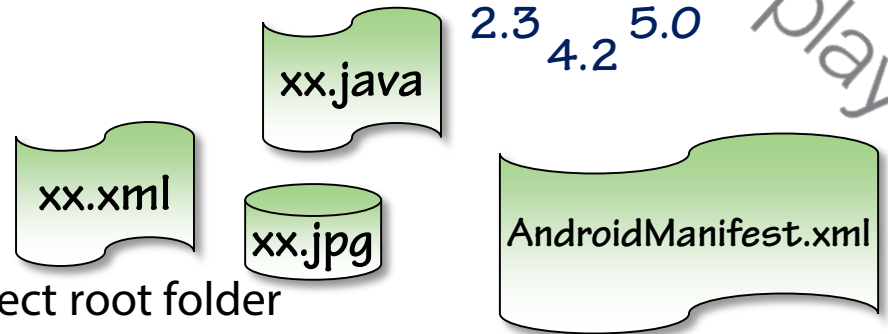
Google play

## → 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

