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VERSION

Manifest File (Cont.)

Line 03:
xmlns:android="http://schemas.android.com/apk/res/android"

The Android namespace, which is used to avoid conflicts with items in unrelated code that have the same names, should always be set to `http://schemas.android.com/apk/res/android`.

Line 04: package="com.example.wenchen.helloworld"

This attribute defines the base package for the following Java elements. It must be unique as the Google Play only allows application for a specific package once. Therefore, the reverse domain name such as `com.userid` as a package name avoids collisions with other developers.

Line 05: <application

This element is the declaration of the Android package.

Line 06: android:icon="@mipmap/ic_launcher"

This attribute points to the icon such as 🤖, where `@mipmap/ic_launcher` refers to the file name of the icon in the directory `res/mipmap`. The icon will be displayed on the device's apps launcher for this app. The @ values refer to resource files which contain the actual values. This makes it easy to provide different resources, e.g. strings, colors, icons.

Line 07: android:label="@string/app_name"

The label is displayed on-screen when the activity must be represented to the user. It is often displayed along with the activity icon. This attribute points to the string "HelloWorld," where `@string/app_name`

refers to the name of the string variable in a separate file `res/values/strings.xml`.

HelloWorld/app/src/main/AndroidManifest.xml

```xml
01  <?xml version="1.0" encoding="utf-8"?>
02  <manifest
03    xmlns:android  = "http://schemas.android.com/apk/res/android"
04    package        = "com.example.wenchen.helloworld" >
05   <application
06    android:icon   = "@mipmap/ic_launcher"
07    android:label  = "@string/app_name"
08    android:theme  = "@style/AppTheme" >
09    <activity
10     android:name  = ".MainActivity"
11     android:label = "@string/home_page" >
12     <intent-filter>
13      <action android:name   = "android.intent.action.MAIN" />
14      <category android:name = "android.intent.category.LAUNCHER" />
15     </intent-filter>
16    </activity>
17    <activity android:name  = ".NextActivity"
18              android:label = "@string/next_page" />
19   </application>
20  </manifest>
```

Slide 8.2: Manifest file
Slide 8.4: Manifest file: AndroidManifest.xml (cont.)
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