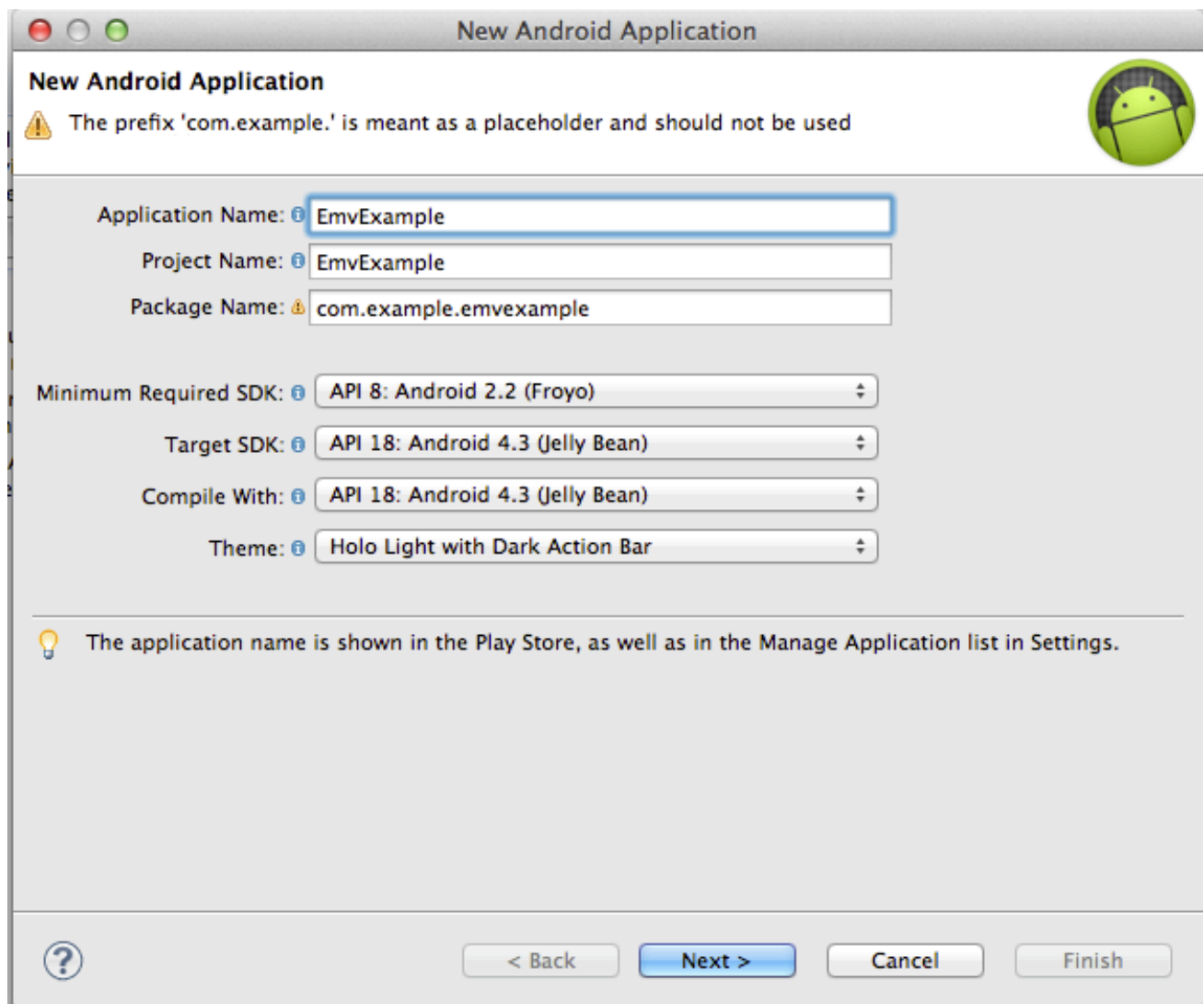
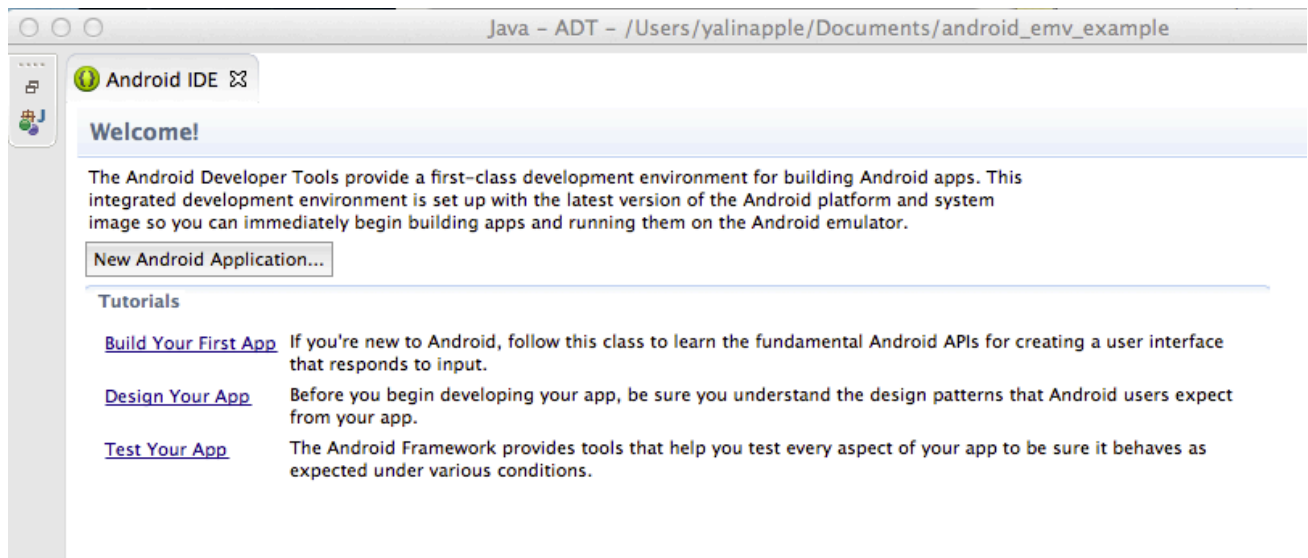


Emv Android Example





New Android Application

New Android Application

Configure Project



Create custom launcher icon

Create activity

Mark this project as a library

Create Project in Workspace

Location:

Working sets

Add project to working sets

Working sets:



New Android Application

Configure Launcher Icon

Configure the attributes of the icon set

Foreground: **Image** Clipart Text

Image File:

Trim Surrounding Blank Space


Additional Padding: 0%


Foreground Scaling: **Crop** Center


Shape **None** Square Circle


Background Color:

Preview:

mdpi: 

hdpi: 

xhdpi: 

xxhdpi: 

New Android Application

Create Activity

Select whether to create an activity, and if so, what kind of activity.



Create Activity

Blank Activity
Fullscreen Activity
Master/Detail Flow



Blank Activity

Creates a new blank activity, with an action bar and optional navigational elements such as tabs or horizontal swipe.



< Back

Next >

Cancel

Finish

Blank Activity

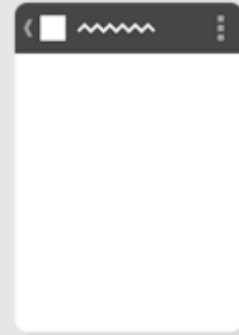
Creates a new blank activity, with an action bar and optional navigational elements such as tabs or horizontal swipe.



Activity Name

Layout Name

Navigation Type



The name of the activity class to create

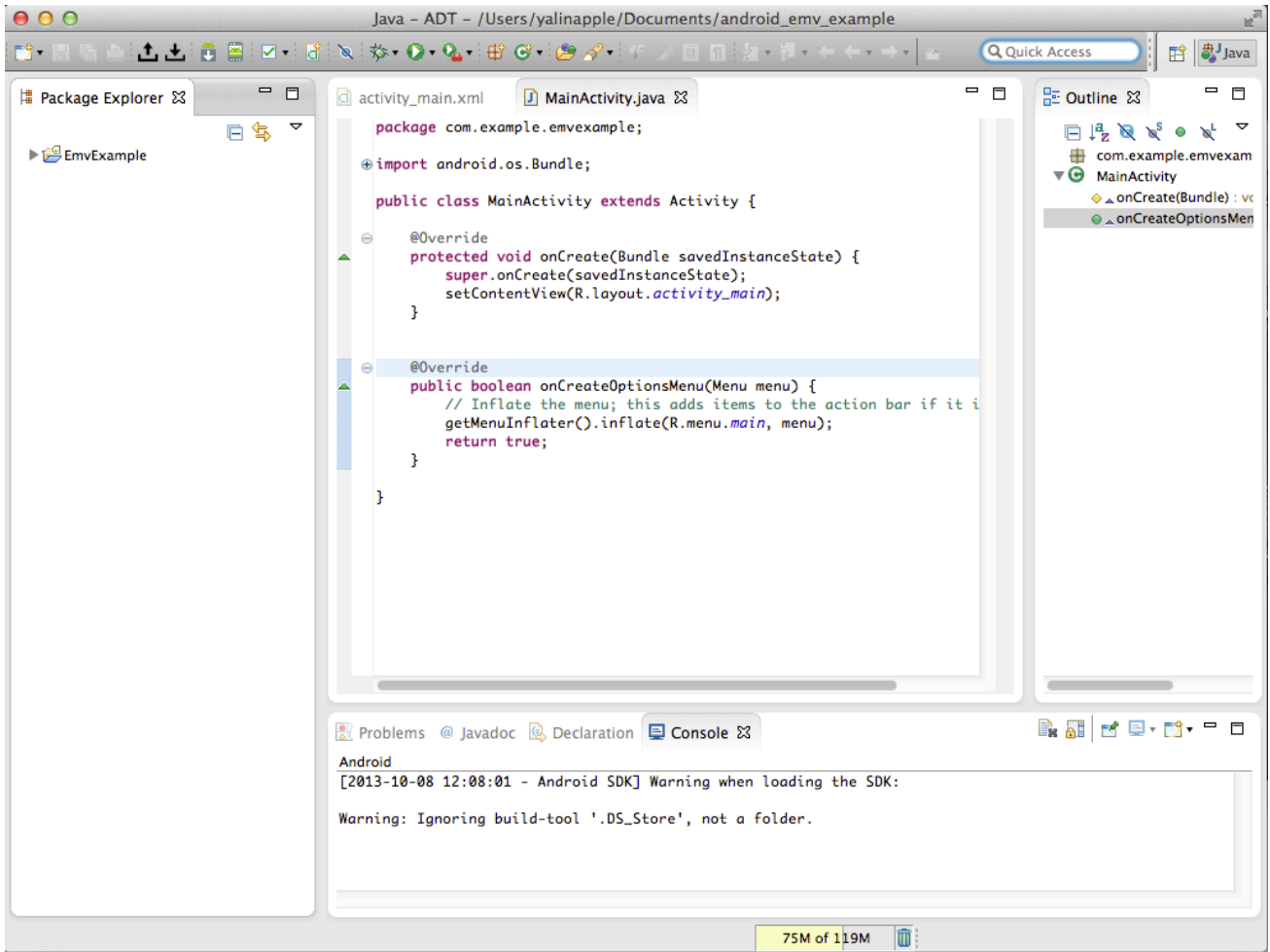


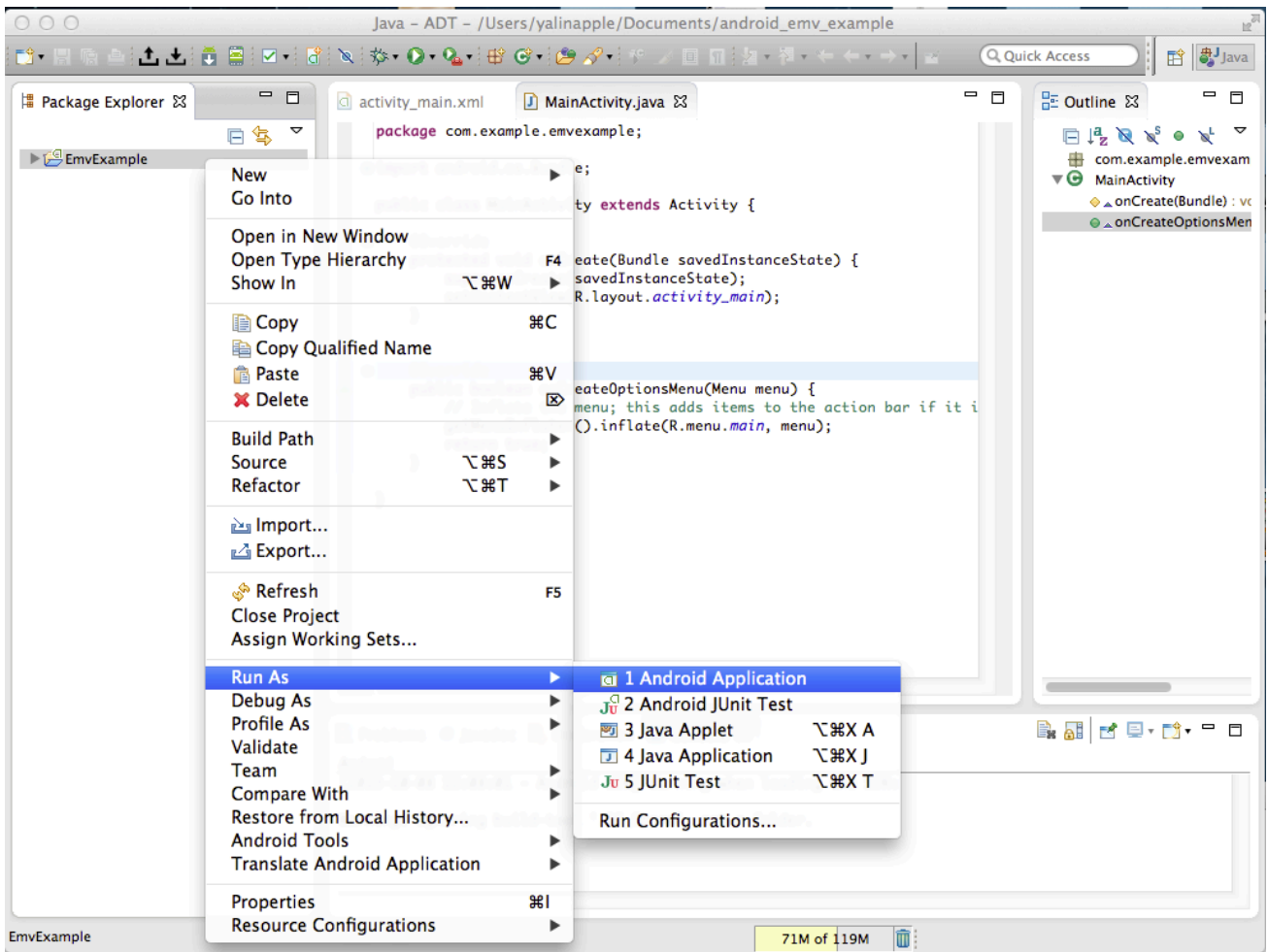
< Back

Next >

Cancel

Finish







5554:huga

Basic Controls



Hardware Buttons



DPAD not enabled in AVD

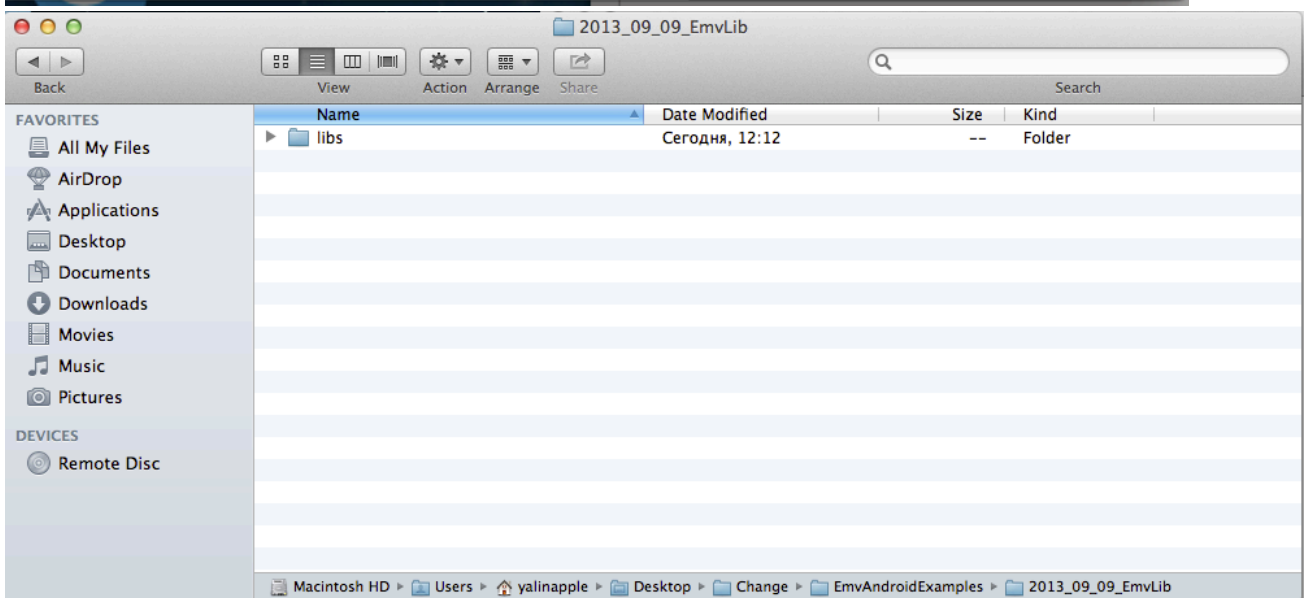
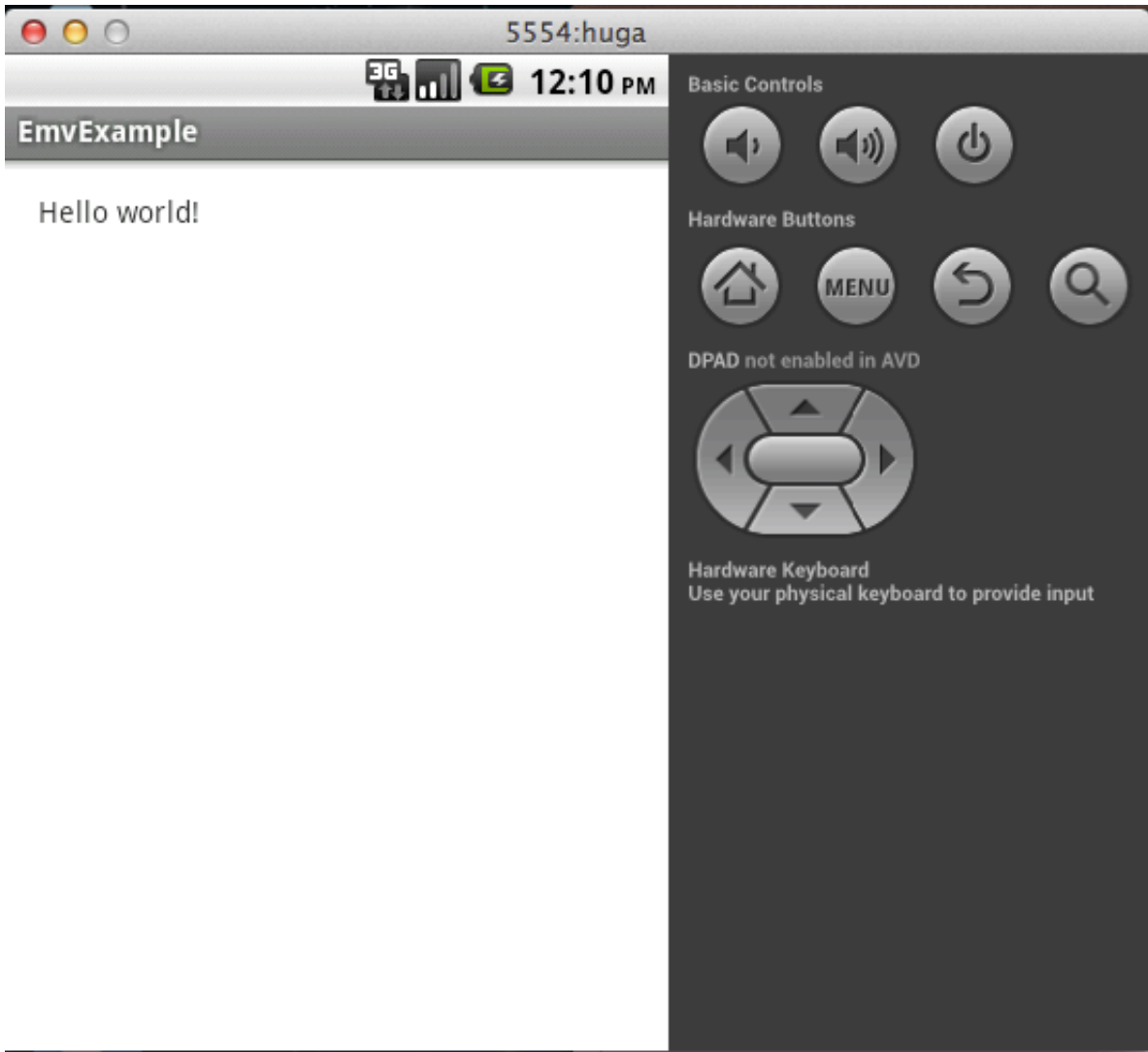


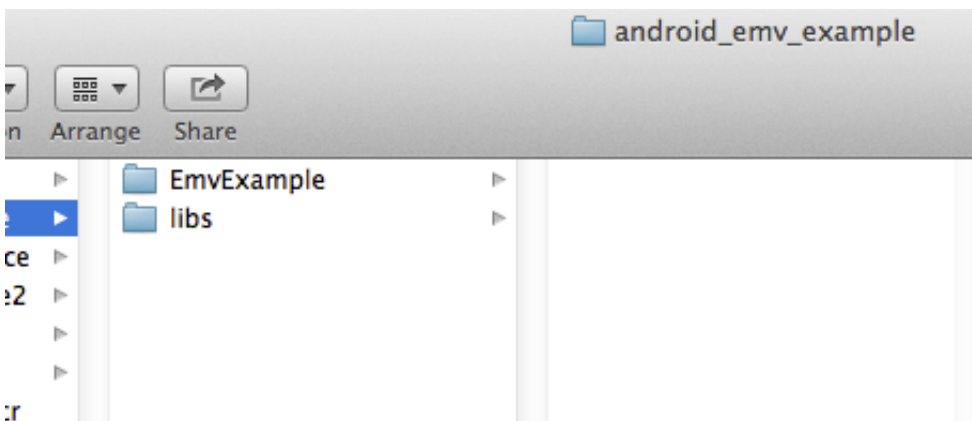
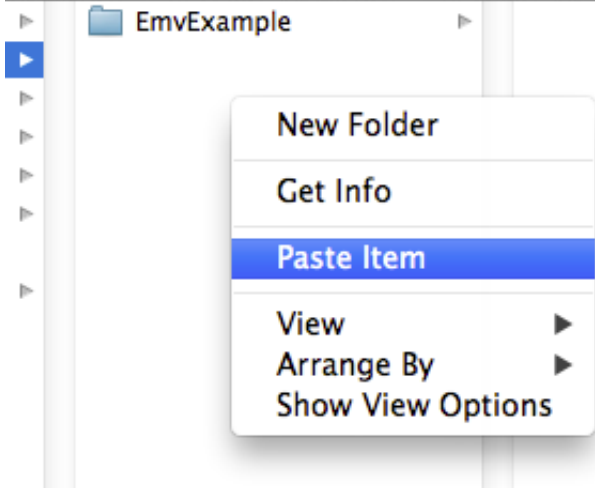
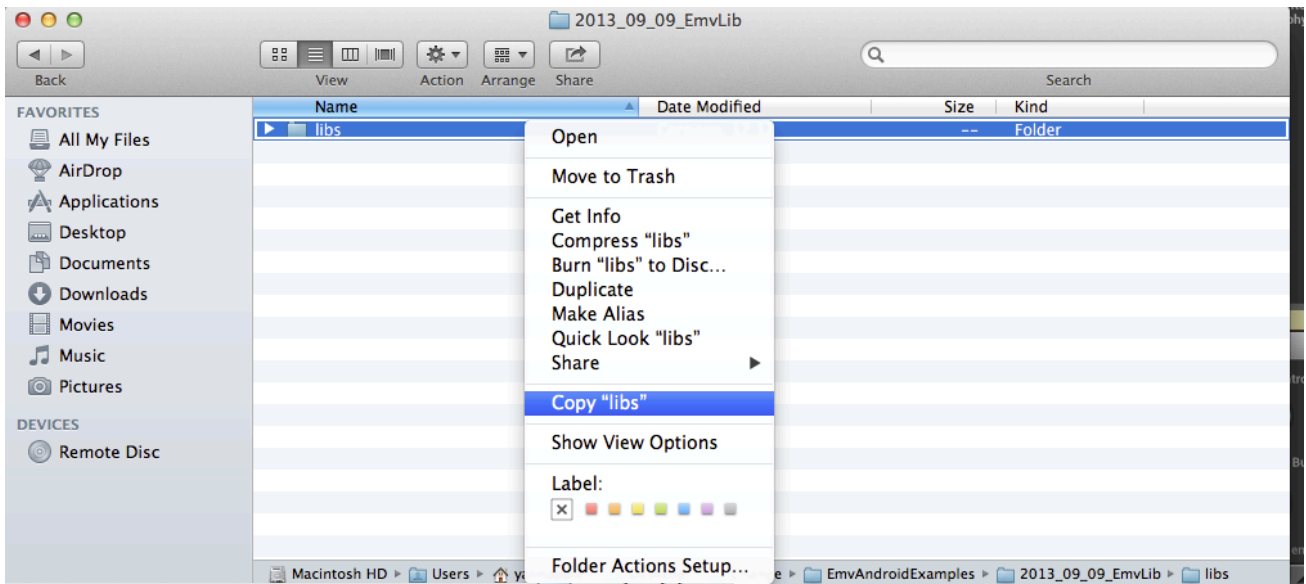
Hardware Keyboard

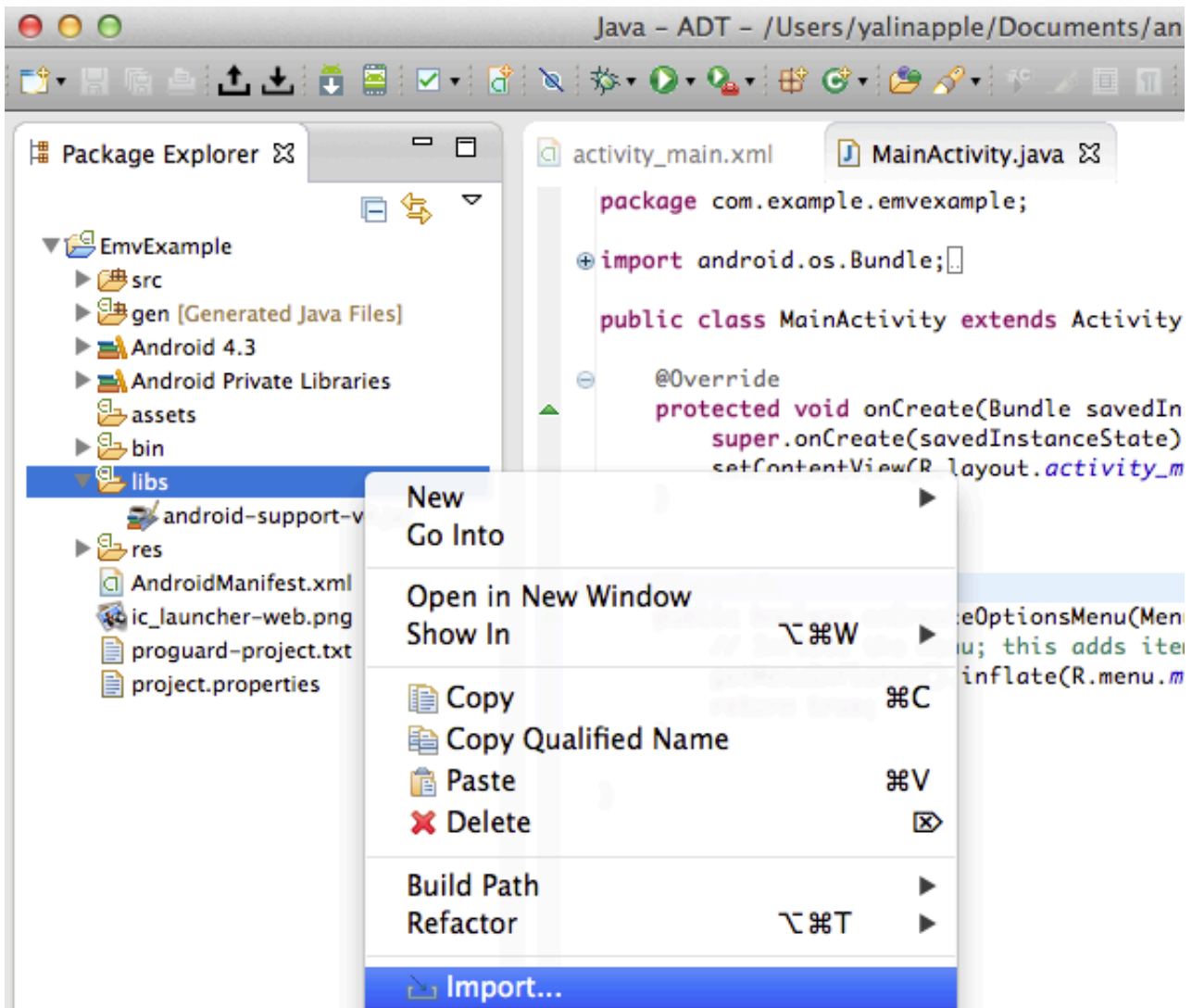
Use your physical keyboard to provide input

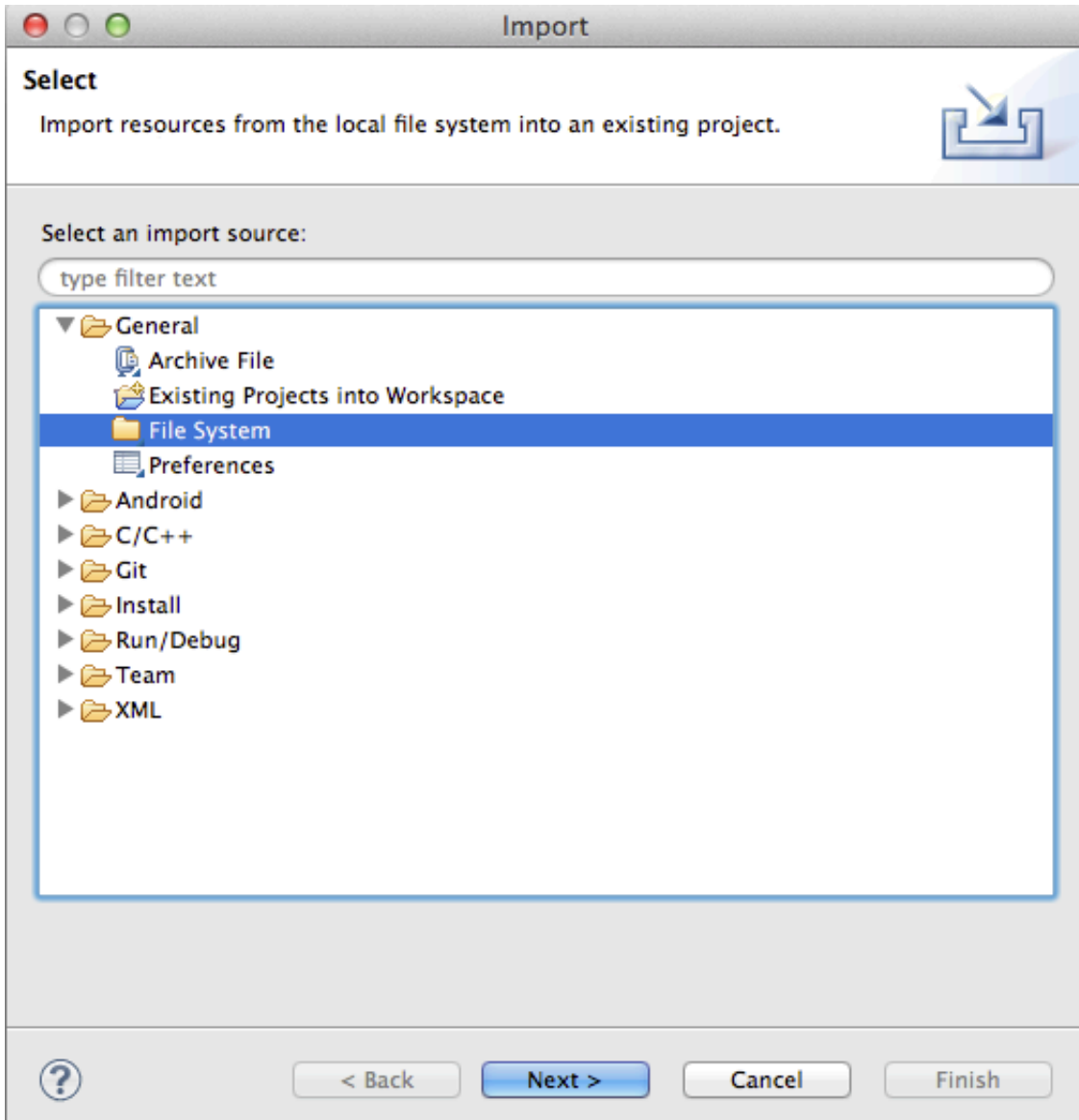
A N D R O I D _

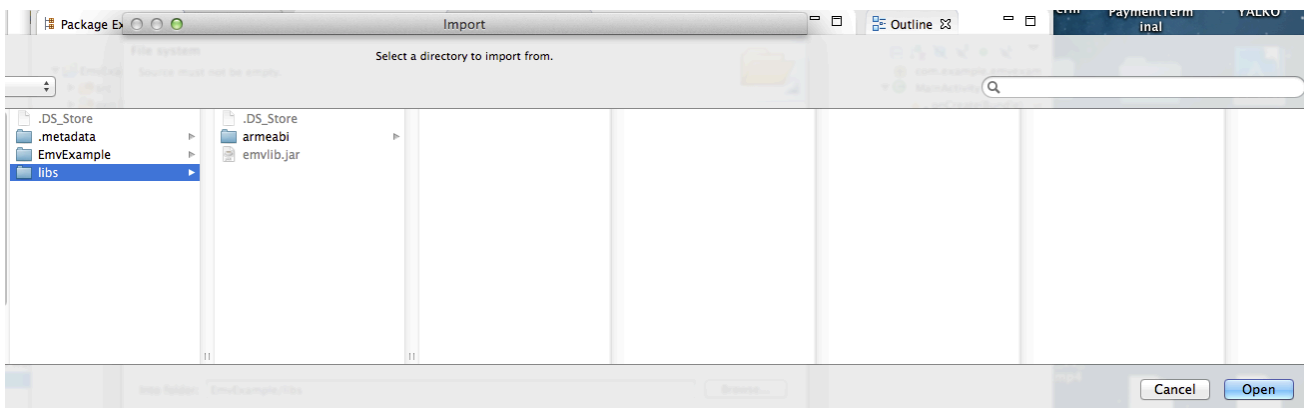
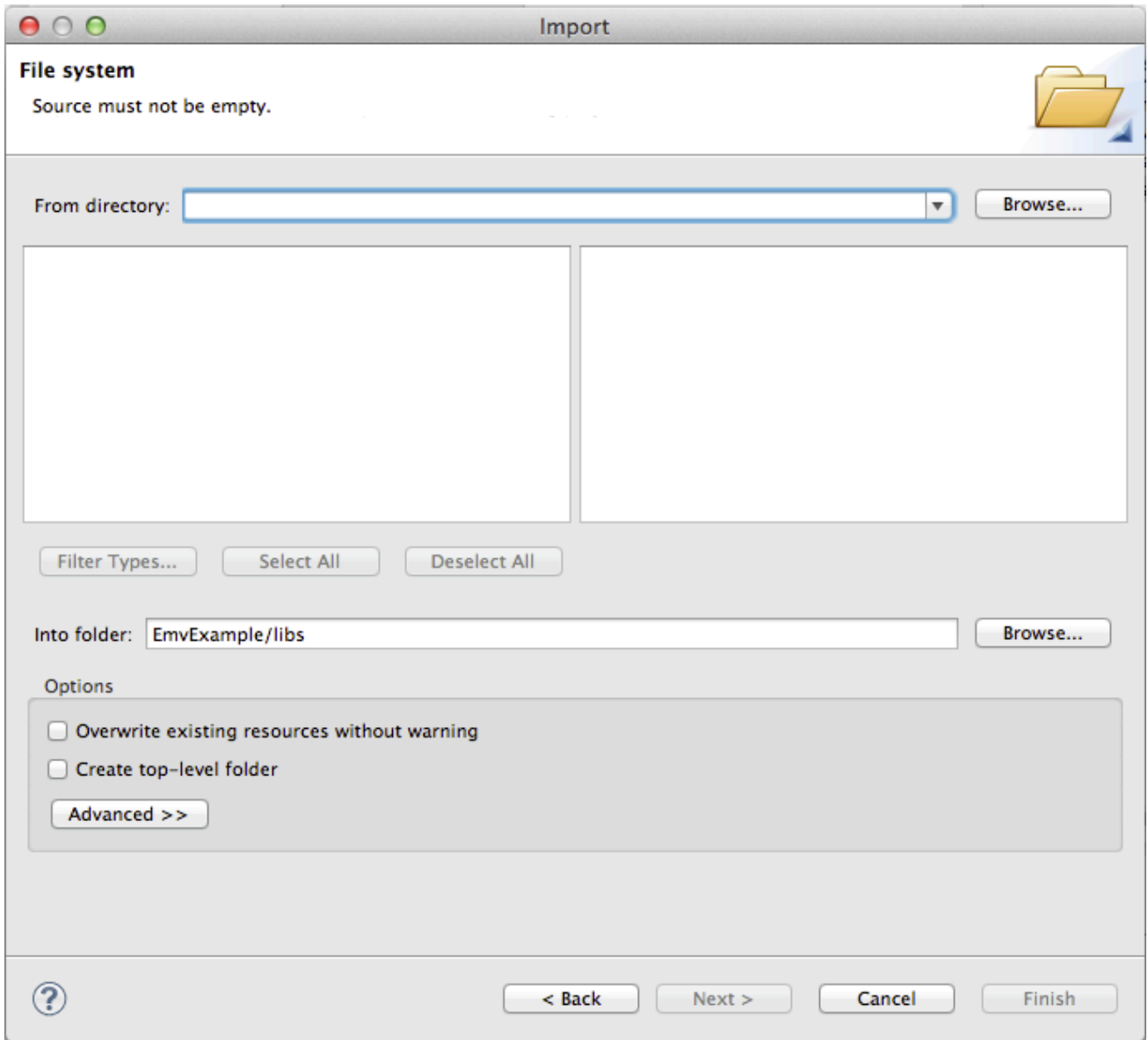




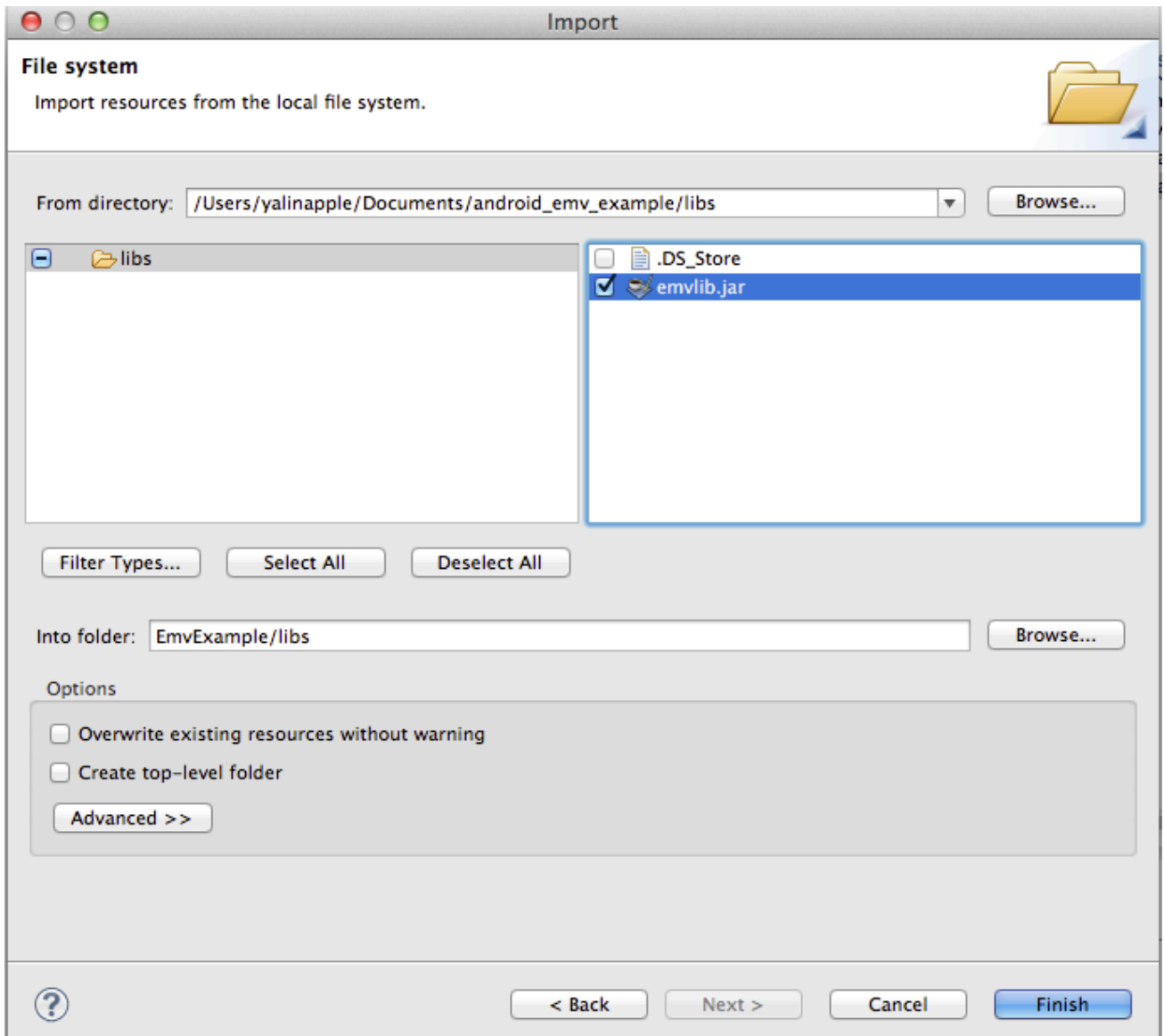




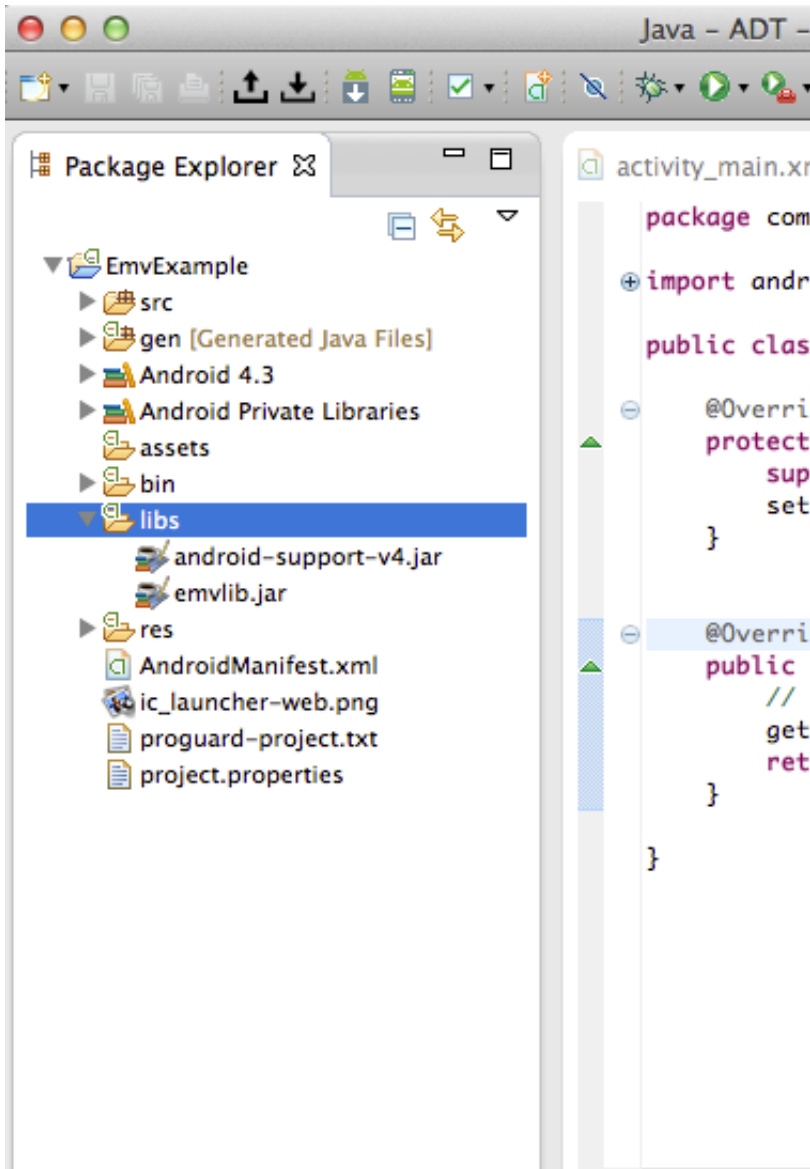


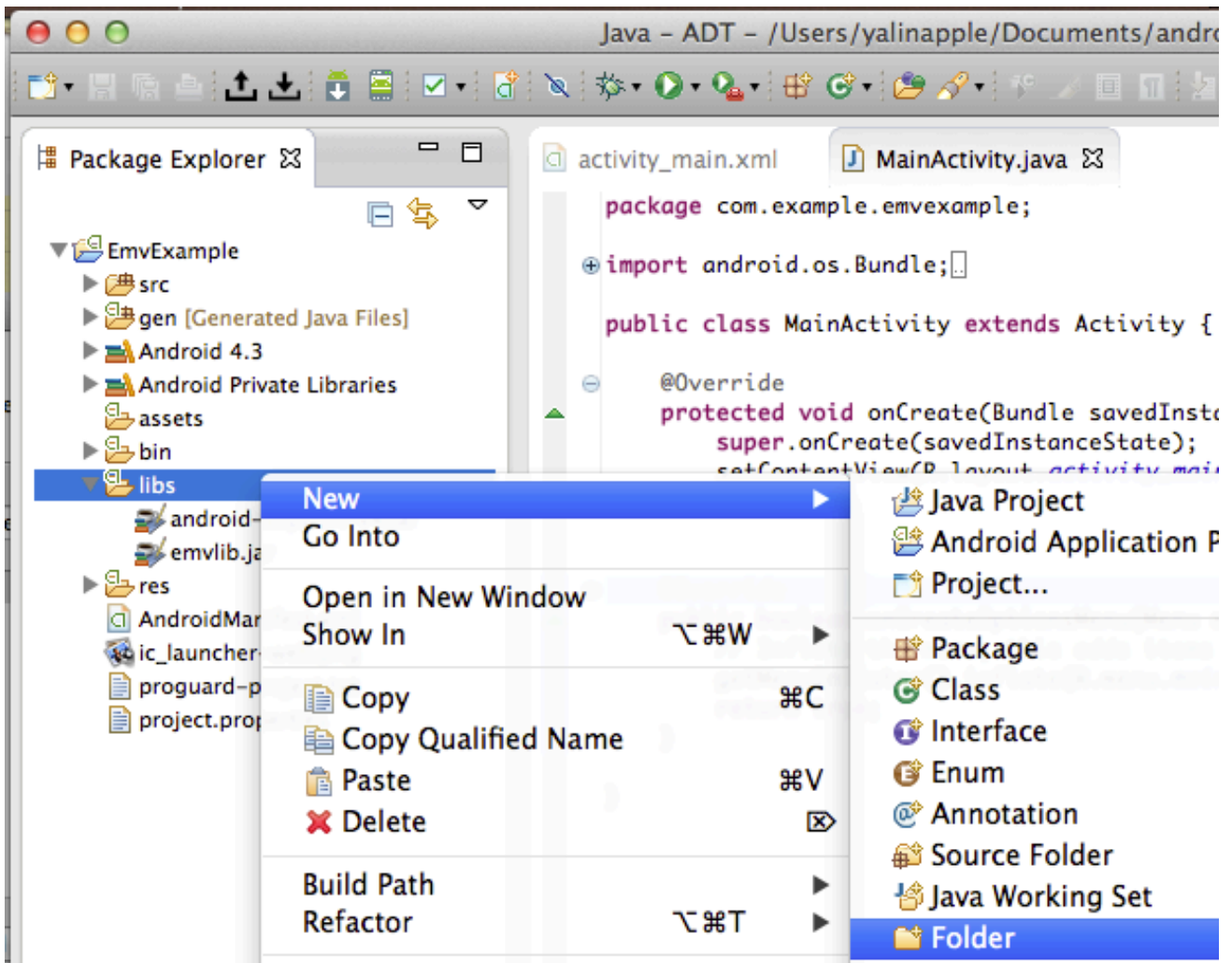


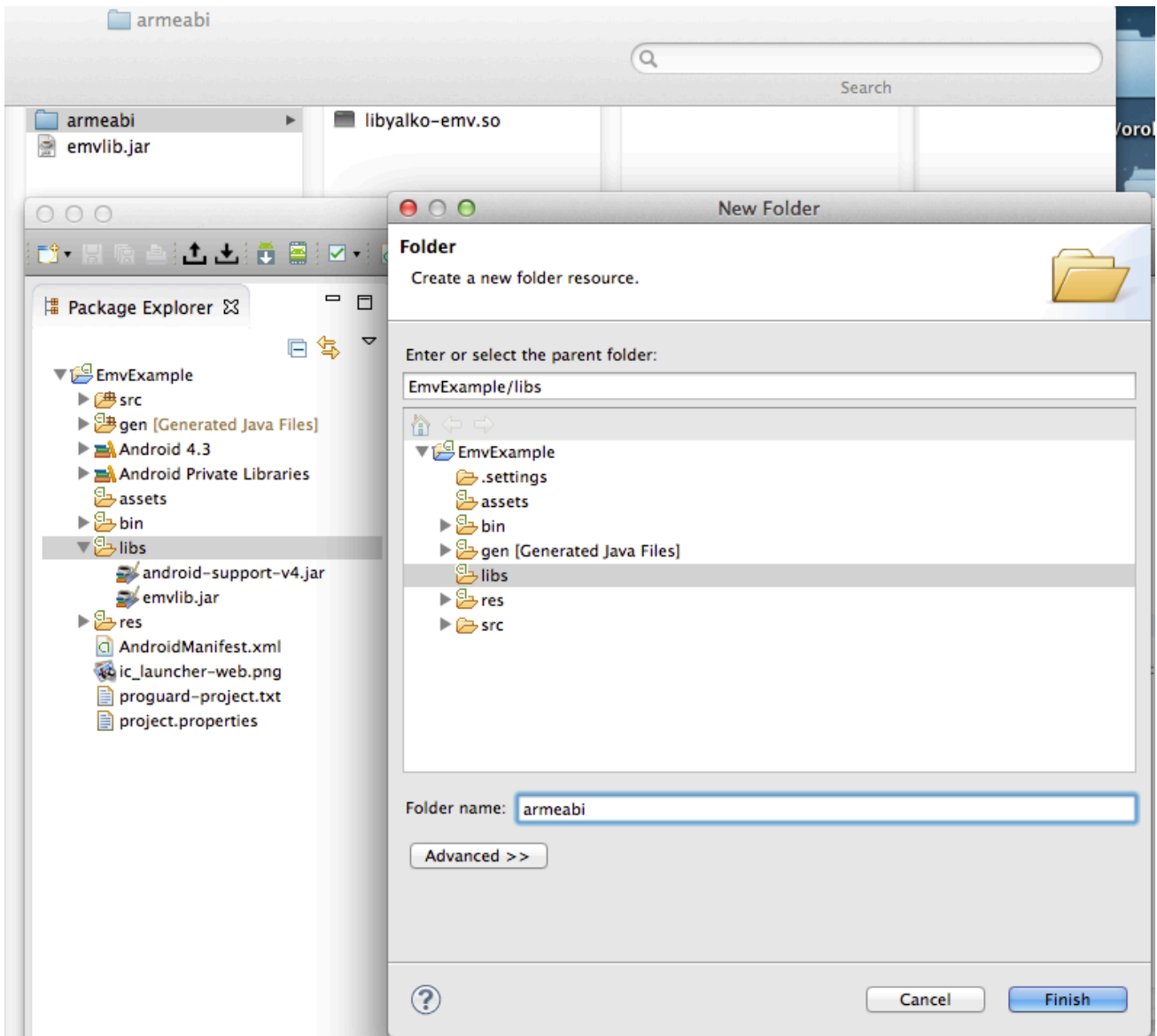
Select "libs" and Press "Open"

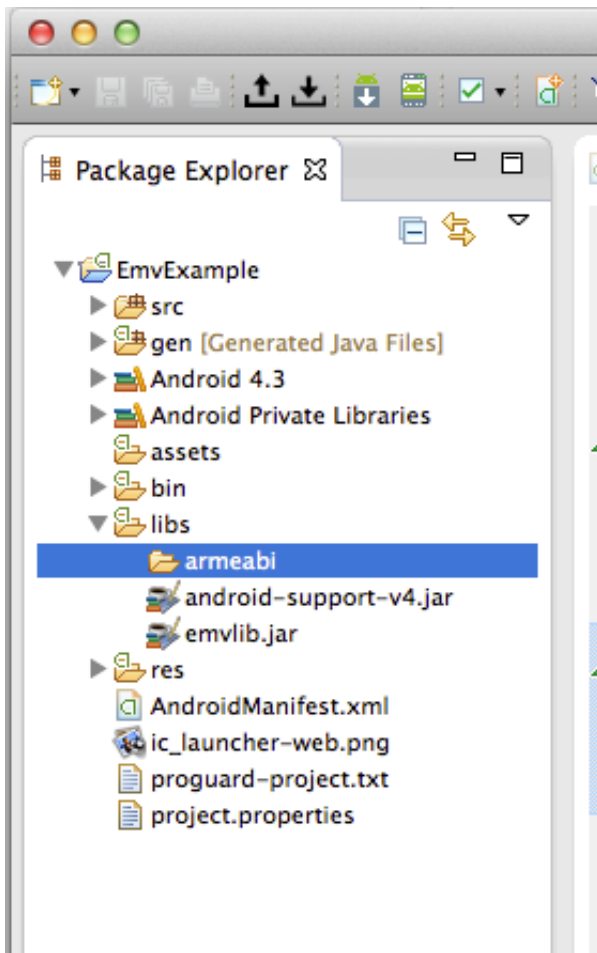


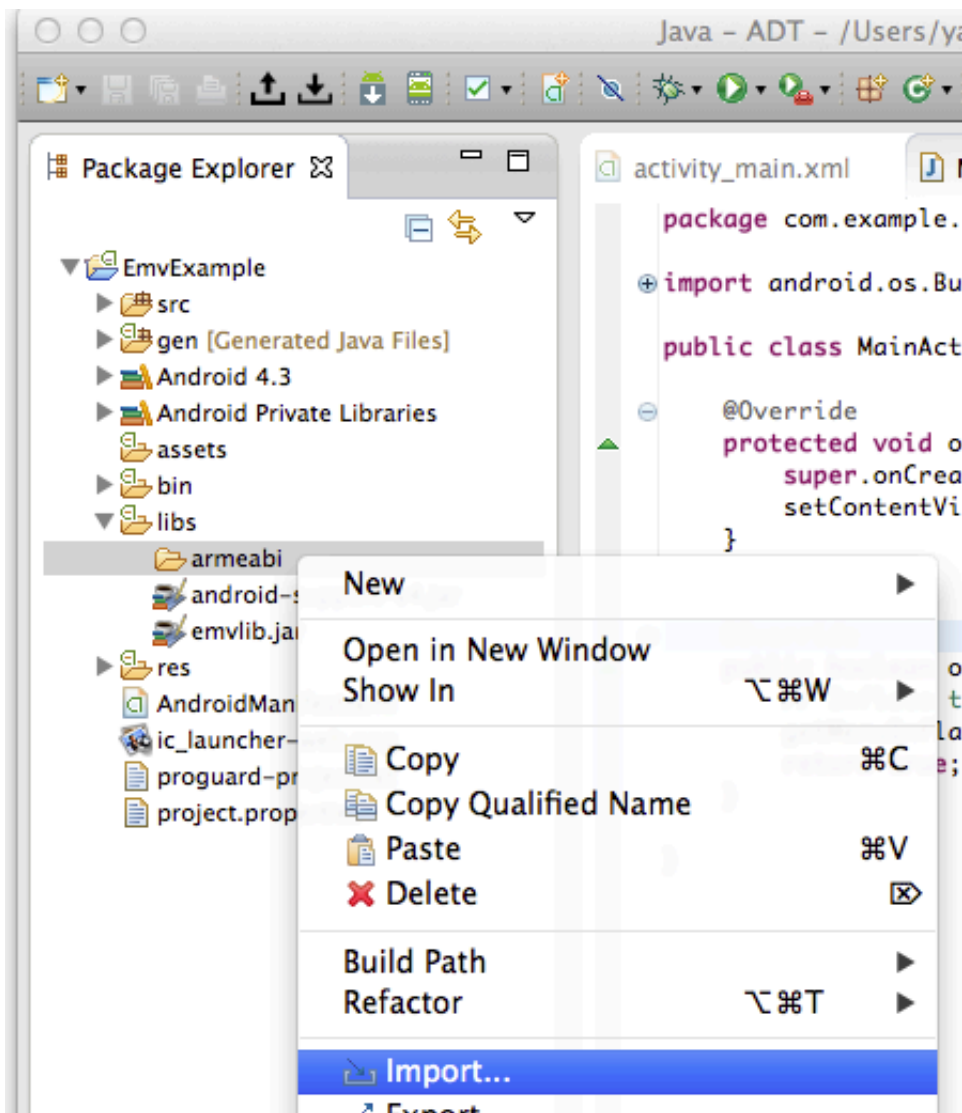
Select "emvlib.jar" and press "Finish"

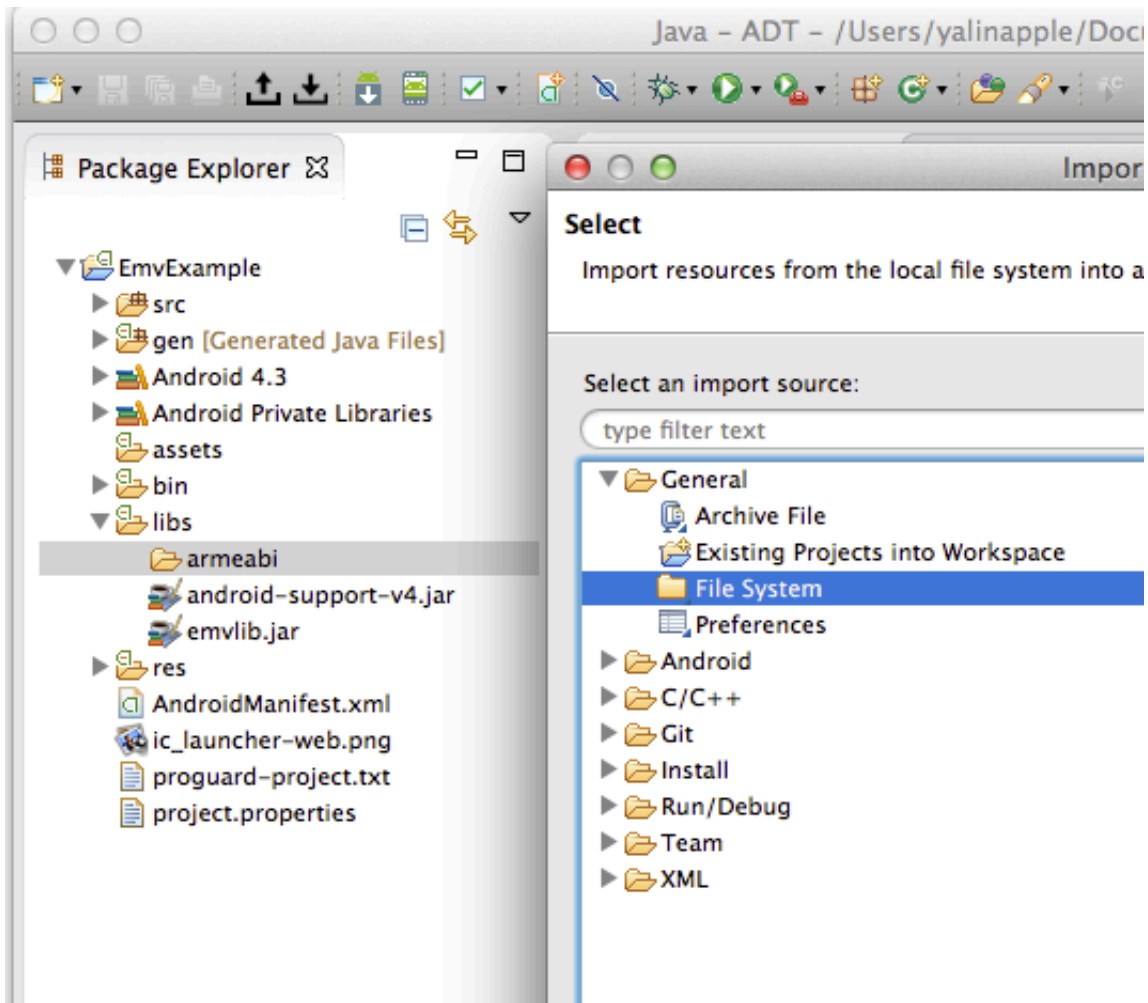


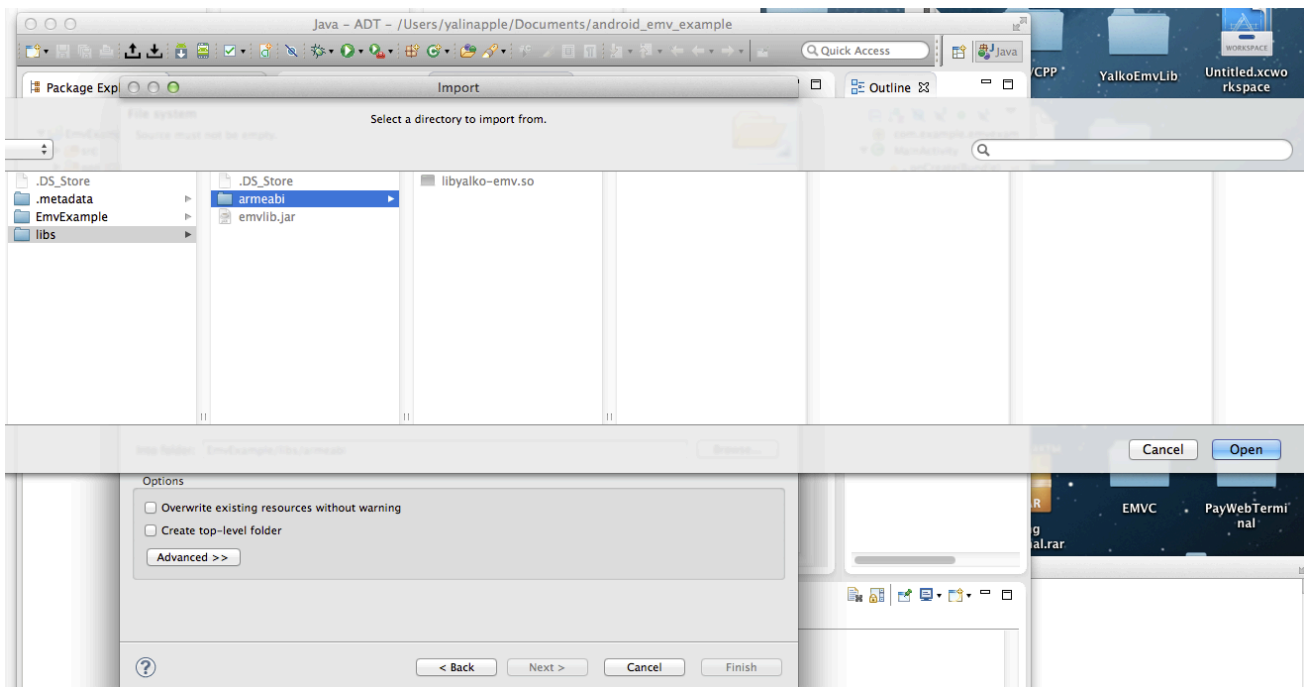
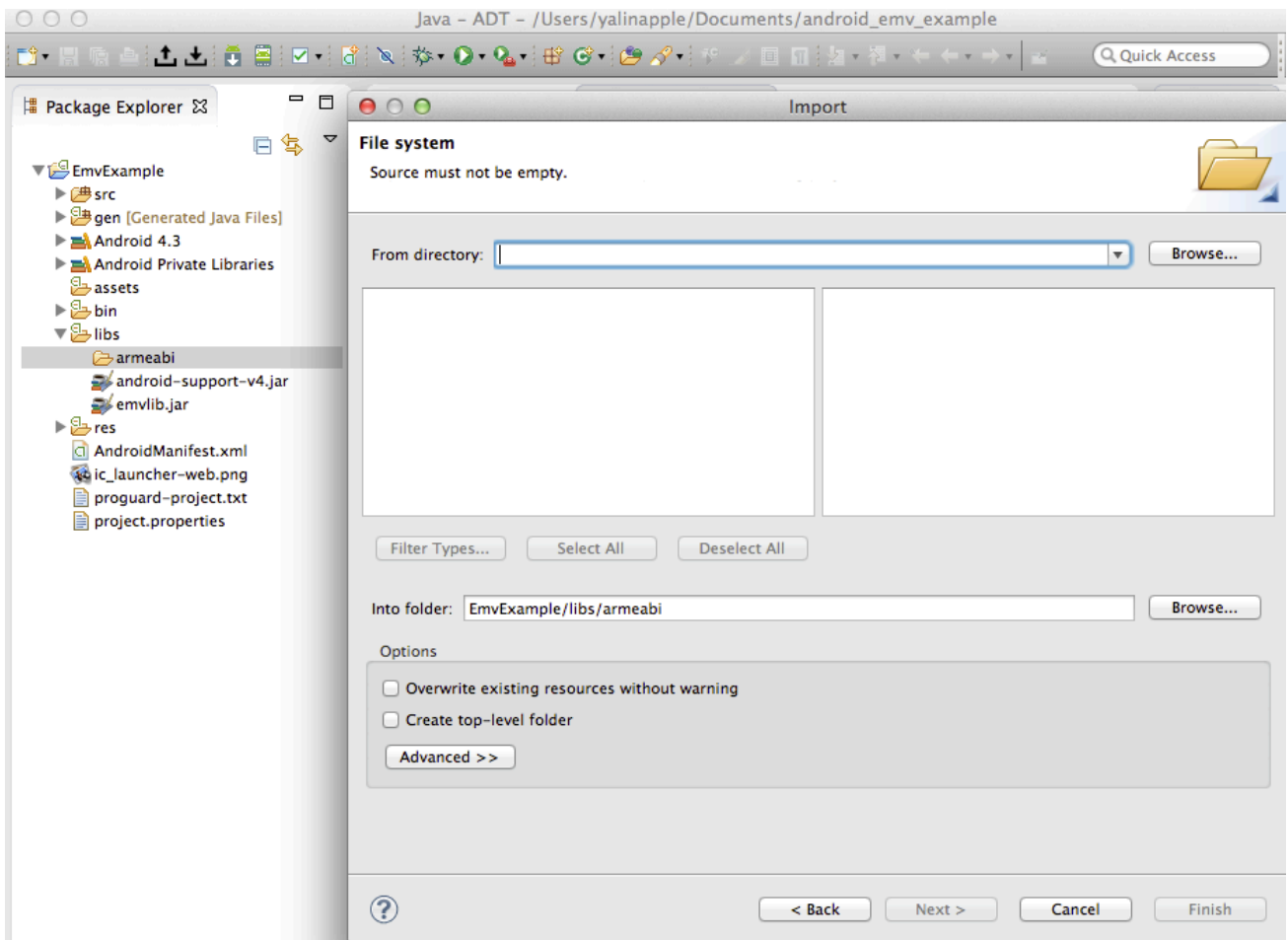




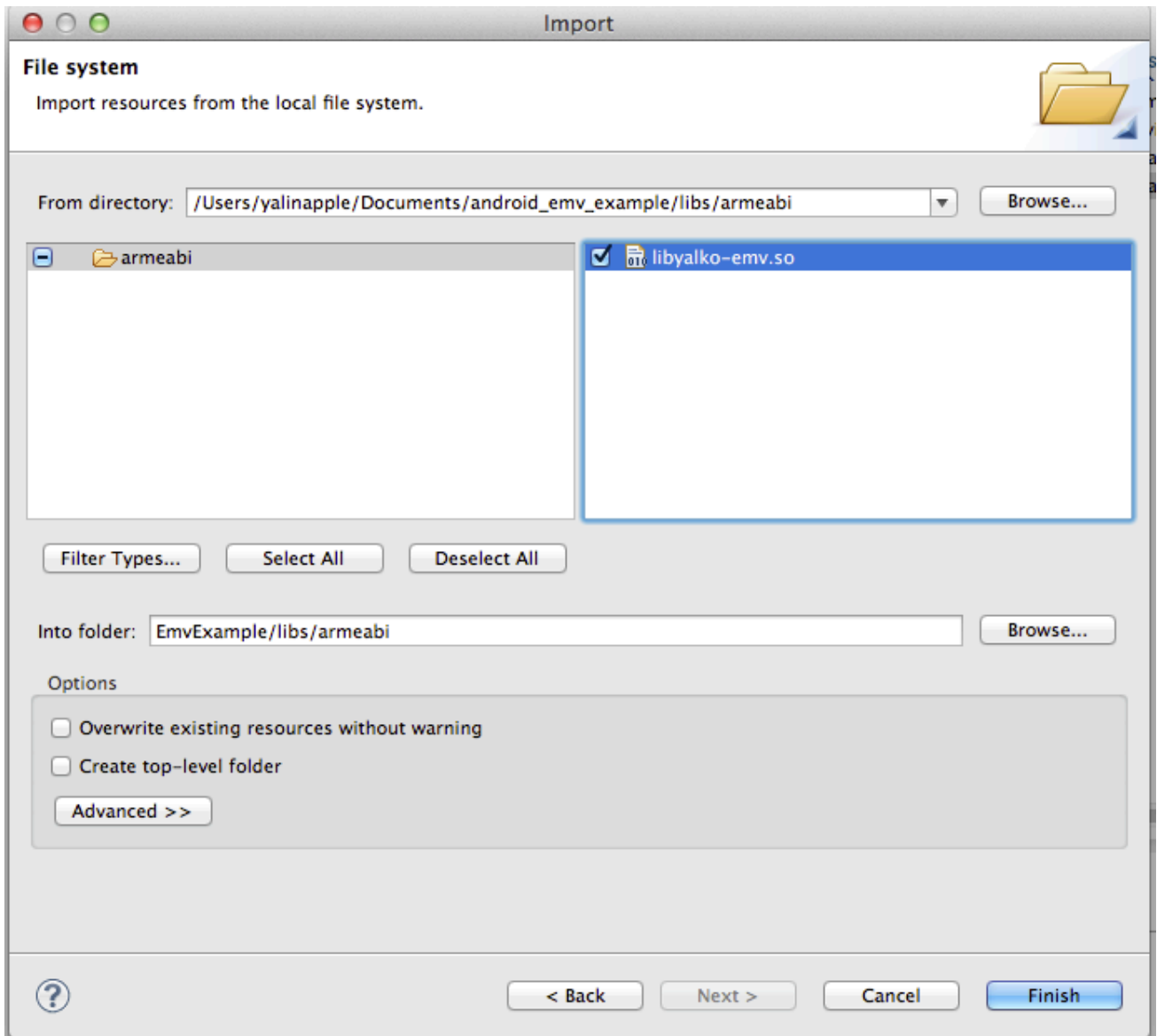




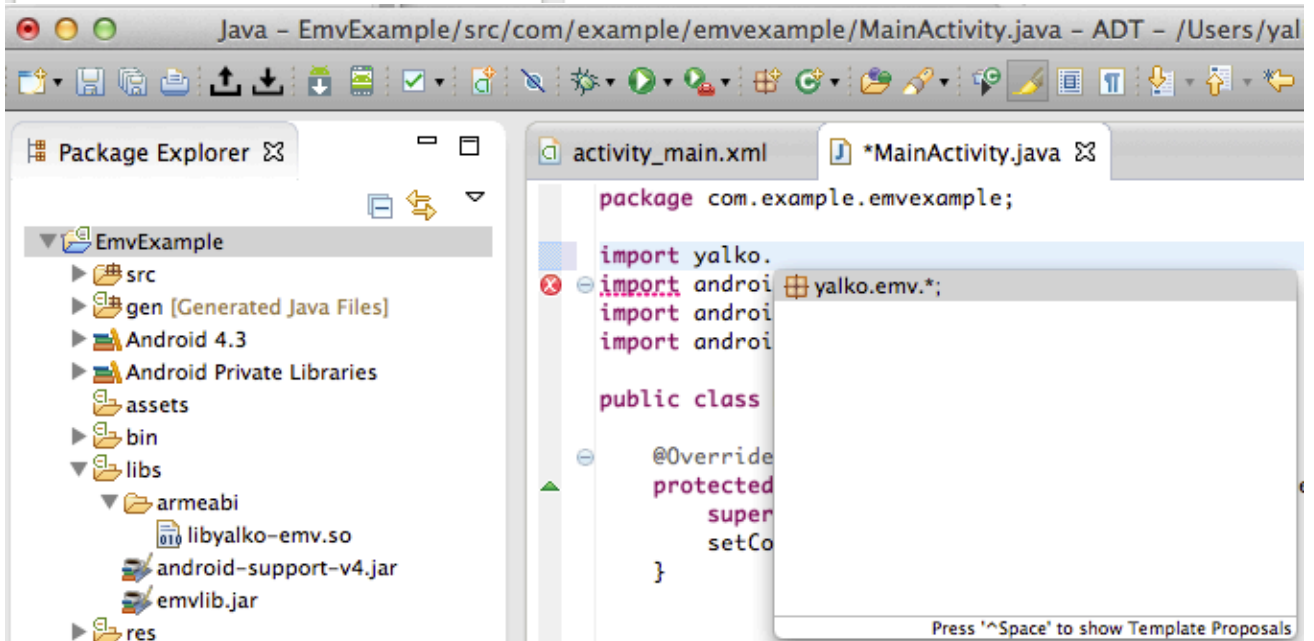
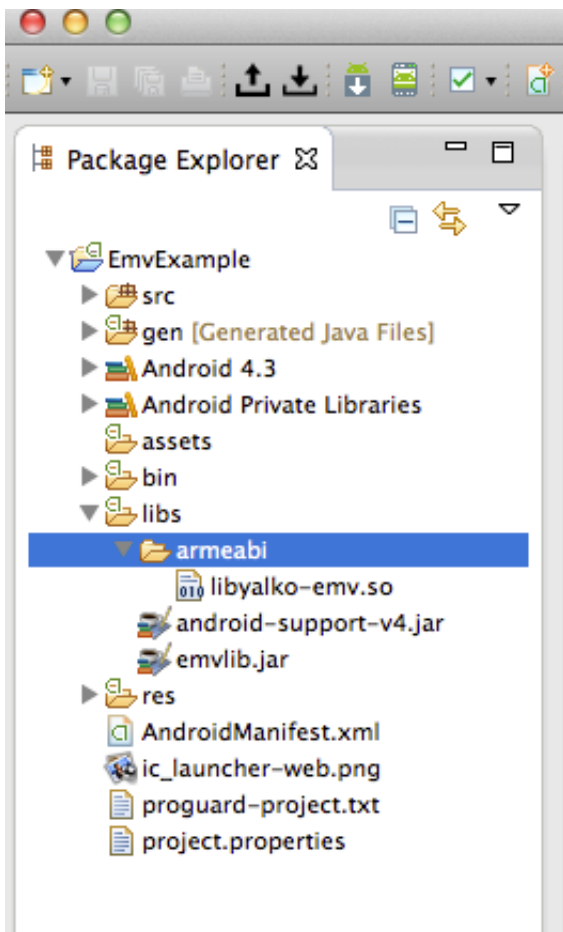


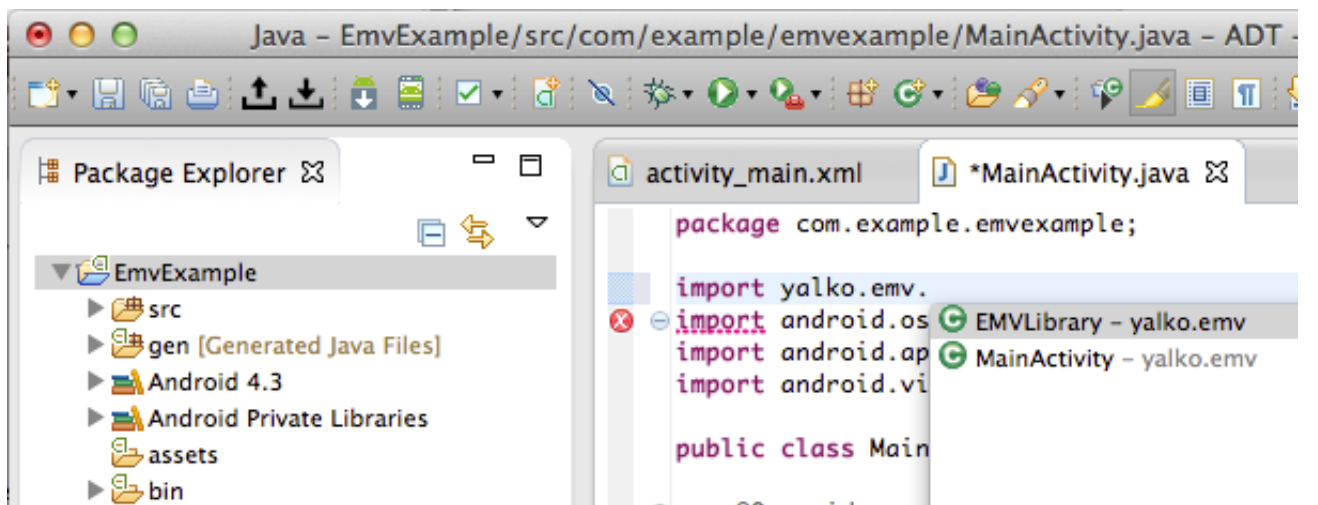
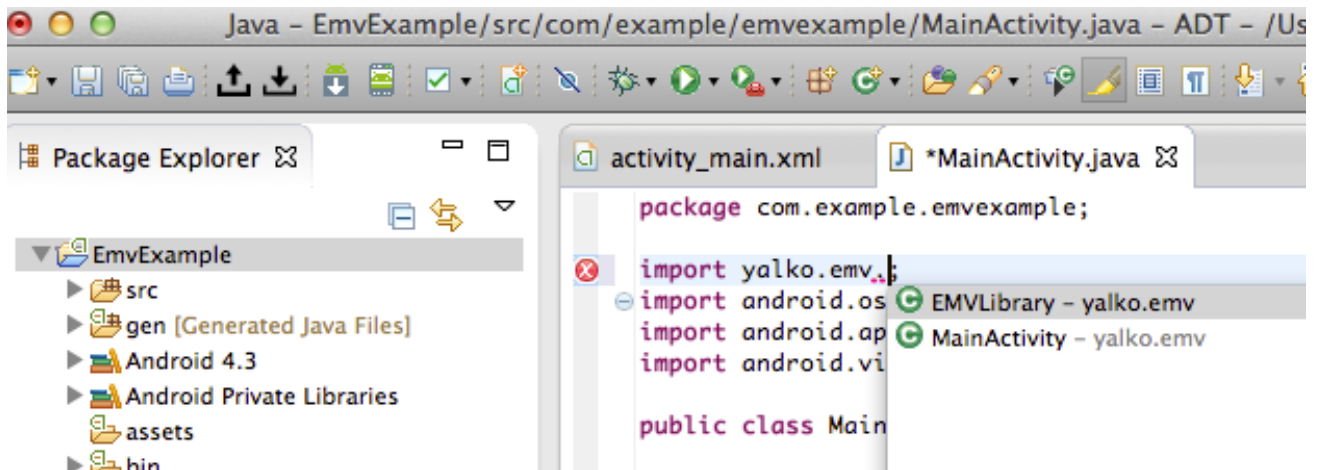


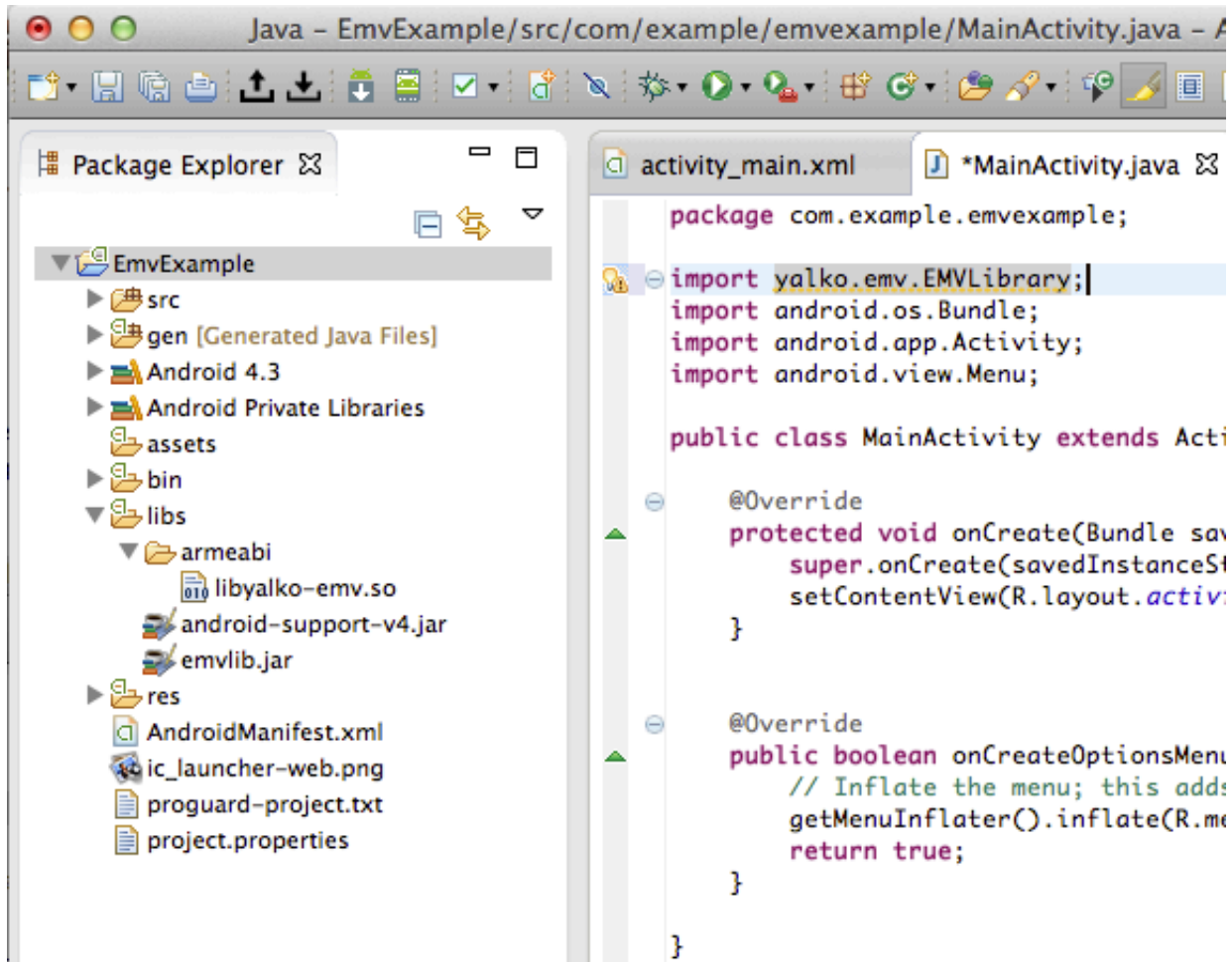
Select "armeabi" and press "Open"



Select "libyalko-emv.so" and press "Finish"







```
import yalko.emv.EMVLibrary;
import android.os.Bundle;
import android.app.Activity;
import android.view.Menu;

public class MainActivity extends Activity {

    EMVLibrary emv_library;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
    }
}
```

```
package com.example.emvexample;

import yalko.emv.EMVLibrary;
import android.os.Bundle;
import android.app.Activity;
import android.view.Menu;

public class MainActivity extends Activity

    EMVLibrary emv_library;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_ma

        emv_library = new EMVLibrary();
    }
```

```
package com.example.emvexample;

import yalko.emv.EMVLibrary;
import android.os.Bundle;
import android.app.Activity;
import android.view.Menu;

public class MainActivity extends Activity {

    EMVLibrary emv_library;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        emv_library = new EMVLibrary();
        emv_library.s

    }

    @Override
    public boolean o
        // Inflate +
```

setDelegate(EMVLibraryDelegate mDelegate) : v

```

import yalko.emv.EMVLibrary;
import android.os.Bundle;
import android.app.Activity;
import android.view.Menu;

public class MainActivity extends Activity {

    EMVLibrary emv_library;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        emv_library = new EMVLibrary(new EMVLibraryDelegate mDelegate);
        emv_library.setDelegate(mDelegate);
    }

    @Override
    public boolean onCreateOptionsMenu(Menu menu) {
        // Inflate the menu; this adds items to the action bar if it's present.
        getMenuInflater().inflate(R.menu.main, menu);
    }
}

```

EMVLibraryDelegate mDelegate
mDelegate
null

```

EMVLibrary emv_library;

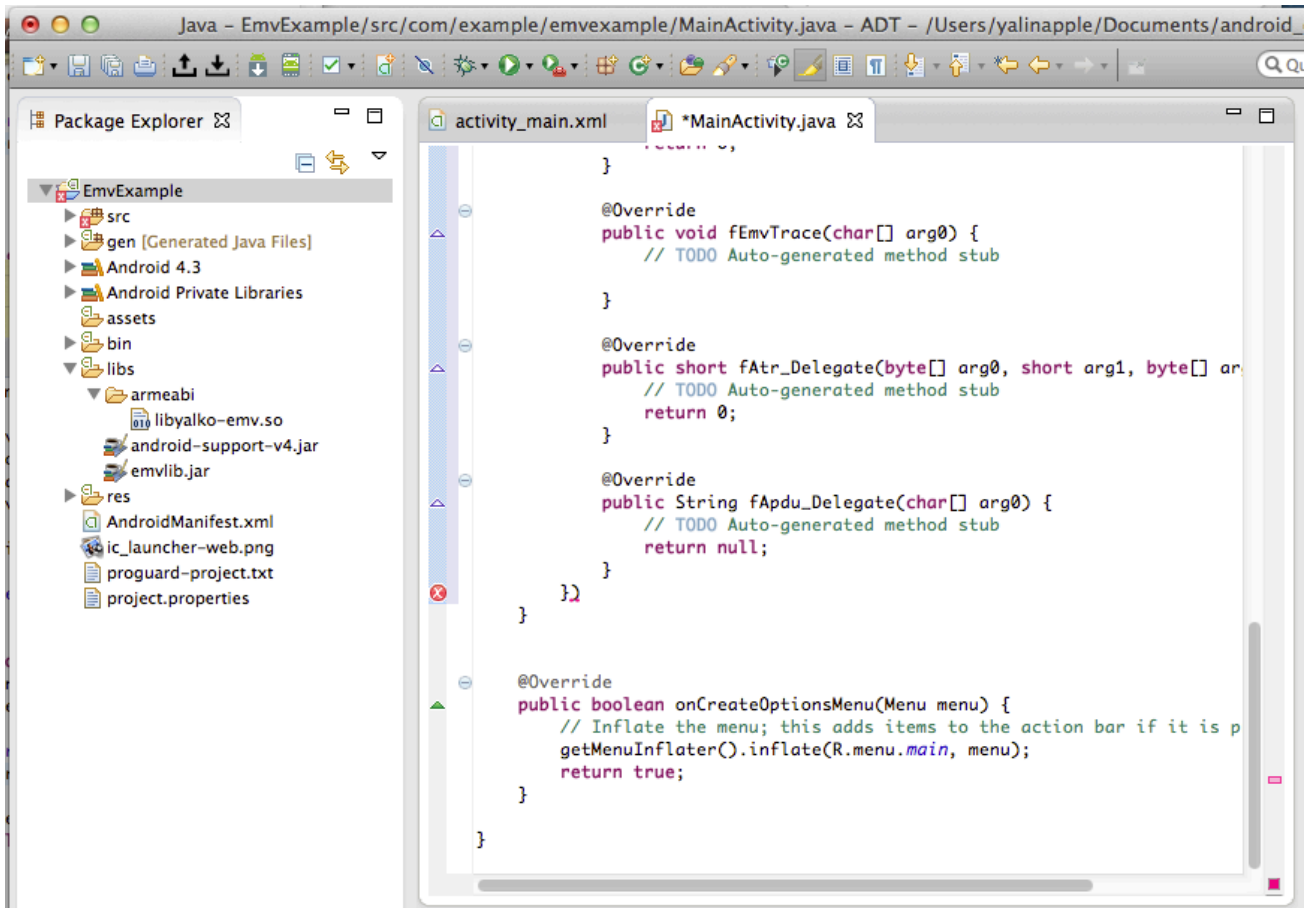
@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main);

    emv_library = new EMVLibrary();
    emv_library.setDelegate(new EMVLibraryDelegate());
}

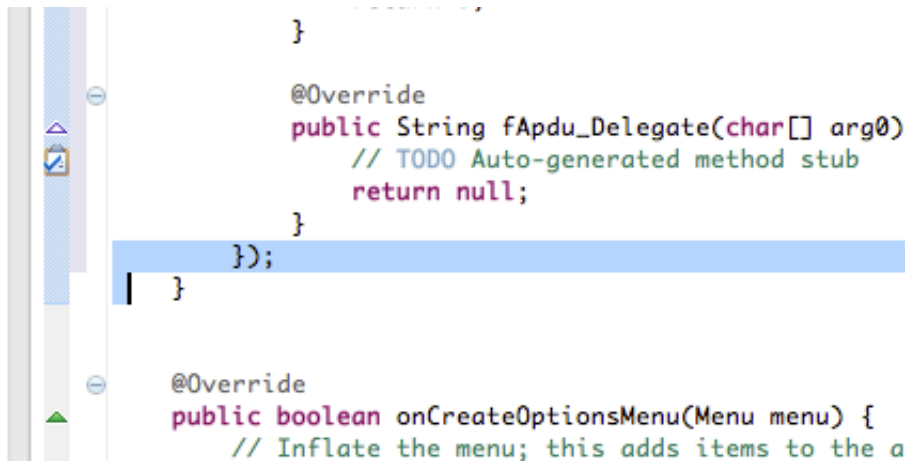
@Override
public boolean onCreateOptionsMenu(Menu menu)

```

EMVLibrary.EMVLibraryDelegate() Anonymous



Set ","



Set method
"onEmvRunButtonClick"

```

public void onEmvRunButtonClick(View view)
{
    TextView text = (TextView) findViewById(R.id.textView);
    text.setText("");
    emv_library.emvrun();
}

```

```

public void onEmvRunButtonClick(View view)
{
    TextView text = (TextView) findViewById(R.id.textView);
    text.setText("");

    emv_library.emvrun();
}

@Override
public boolean onCreateOptionsMenu(Menu menu) {
    // Inflate the menu; this adds items to the action bar if i
    getMenuInflater().inflate(R.menu.main, menu);
    return true;
}

View cannot be resolved to a type onEmvRunButtonClick(View view)
{
    TextView text = (TextView) findViewById(R.id.textView);
    text.setText("");

    emv_library.emvrun();
}
}

```

```

}
public void onEmvRunButtonClick(View view)
{
    TextView text = (TextView) f
    text.setText("");

    emv_library.emvrun();
}
}

```

- ← Import 'View' (android.view)
- Create class 'View'
- Create interface 'View'
- Assign parameter to new field
- Change to 'ViewStub' (android.view)
- Create enum 'View'
- Add type parameter 'View' to 'MainActivity'
- Rename in file (#62 R)
- Add type parameter 'View' to 'onEmvRunButt
- Fix project setup...

```

...
import android.view.Menu;
import android.view.View;
public class MainActivity extends Activity {
...

```

Press 'Tab' from proposal table or click for focus

Select "..Import 'Viee' (android.view)"

```

package com.example.emvexample

import yalko.emv.EMVLibrary;
import android.os.Bundle;
import android.app.Activity;
import android.view.Menu;
import android.view.View;

```

```
public void onEmvRunButtonClick(View view)
{
    findViewById(R.id.textView);
}
}
```

Multiple markers at this line
- textView cannot be resolved or is not a field
- TextView cannot be resolved to a type
- TextView cannot be resolved to a type

```
public void onEmvRunButtonClick(View view)
{
    TextView text = (TextView) findViewById(R.id.textView);
    text.setText("");
    emv_library.emvrun();
}
}
```

Import 'TextView' (android.widget)

- Create class 'TextView'
- Create interface 'TextView'
- Change to 'Text' (org.w3c.dom)
- Change to 'TextureView' (android.view)
- Create enum 'TextView'
- Add type parameter 'TextView' to 'MainActiv
- Rename in file (§2 R)
- Add type parameter 'TextView' to 'onEmvRur
- Fix project setup...

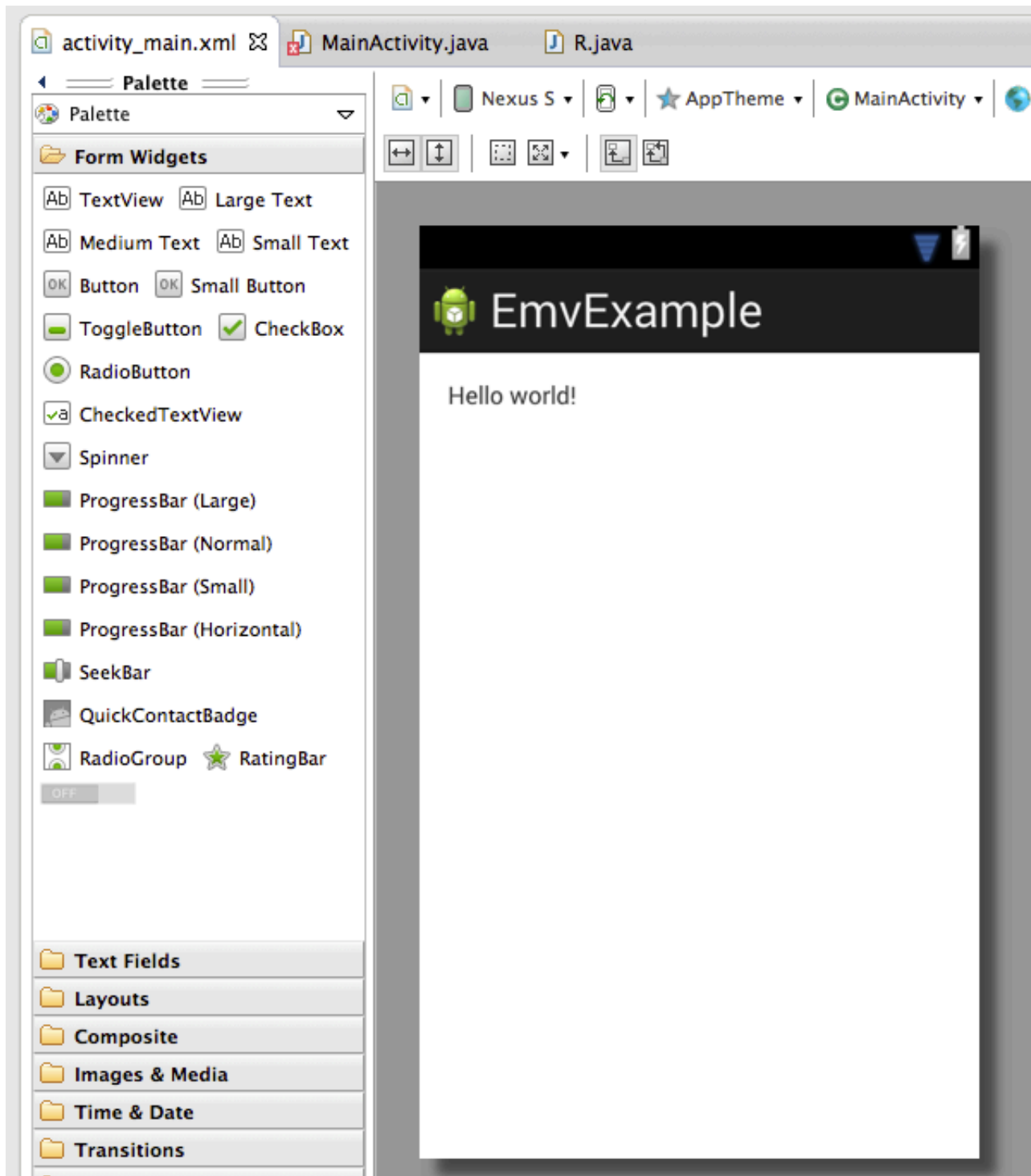
```
import android.view.View;
import android.widget.TextView;
public class MainActivity extends Activity {
    ...
}
```

DDMS Press 'Tab' from proposal table or click for focus

Select "..Import 'TextView' (android.widget)"

```
public void onEmvRunButtonClick(View view)
{
    textView cannot be resolved or is not a field findViewById(R.id.textView);
    text.setText("");
    emv_library.emvrun();
}
}
```

Go to "activity_main.xml"



Create Button:

Palette

Palette

Form Widgets

- TextView Large Text
- Medium Text Small Text
- Button Small Button
- ToggleButton CheckBox
- RadioButton
- CheckedTextView
- Spinner
- ProgressBar (Large)
- ProgressBar (Normal)
- ProgressBar (Small)
- ProgressBar (Horizontal)
- SeekBar
- QuickContactBadge
- RadioGroup RatingBar

OFF

Text Fields

Layouts

Composite

Images & Media

Time & Date

Transitions

Nexus S | AppTheme | MainActivity

← ↑ ↻ ↺ ↻ ↺

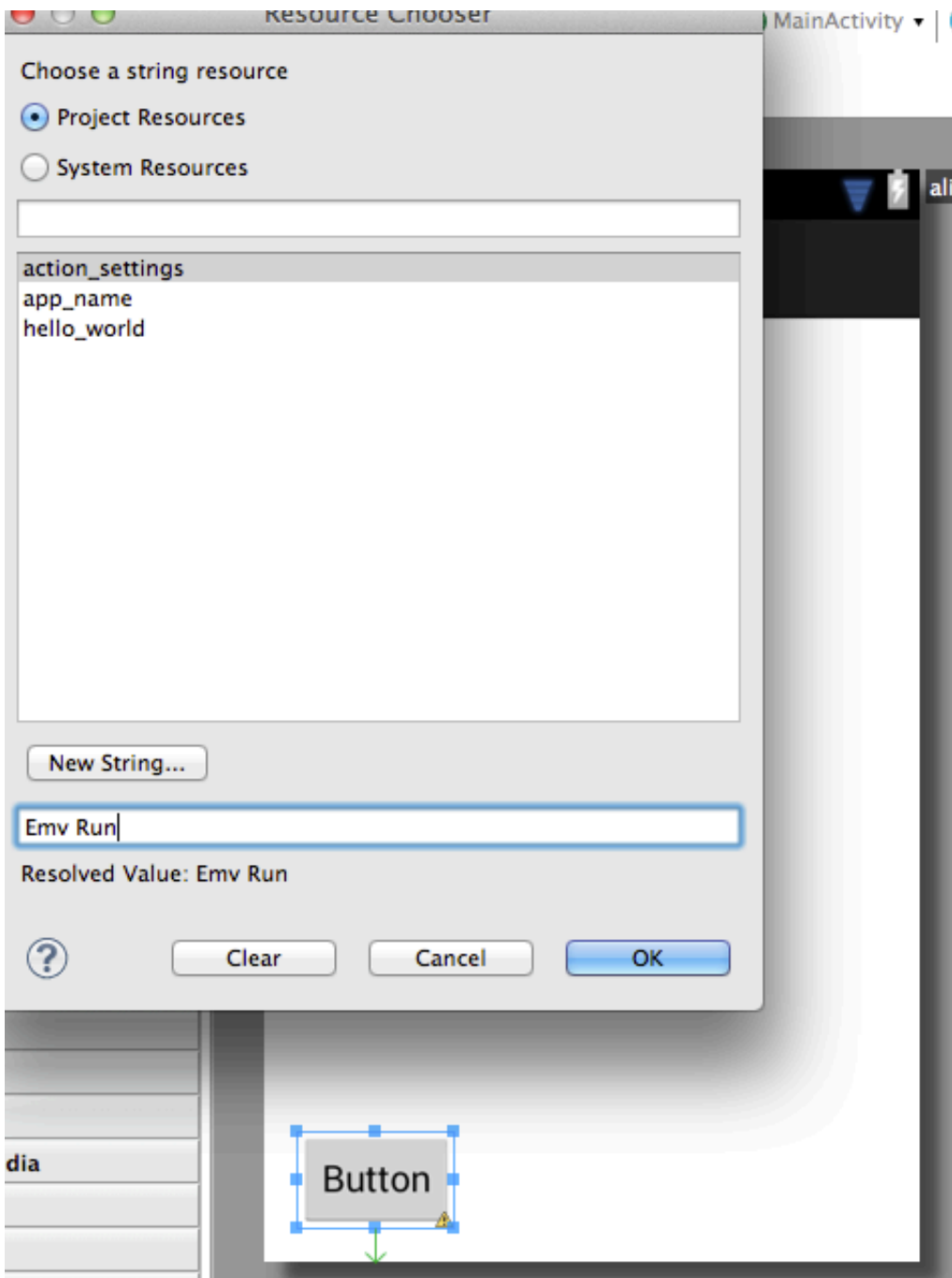
EmvExample

Hello world!

Button



- Edit Text... F2
- Edit ID... ⌘ ⌘ R
- Edit Style...
- Layout Width ▶
- Layout Height ▶
- Other Properties ▶
- Extract Include...
- Extract Style...
- Wrap in Container...
- Remove Container...
- Change Widget Type...
- RelativeLayout ▶





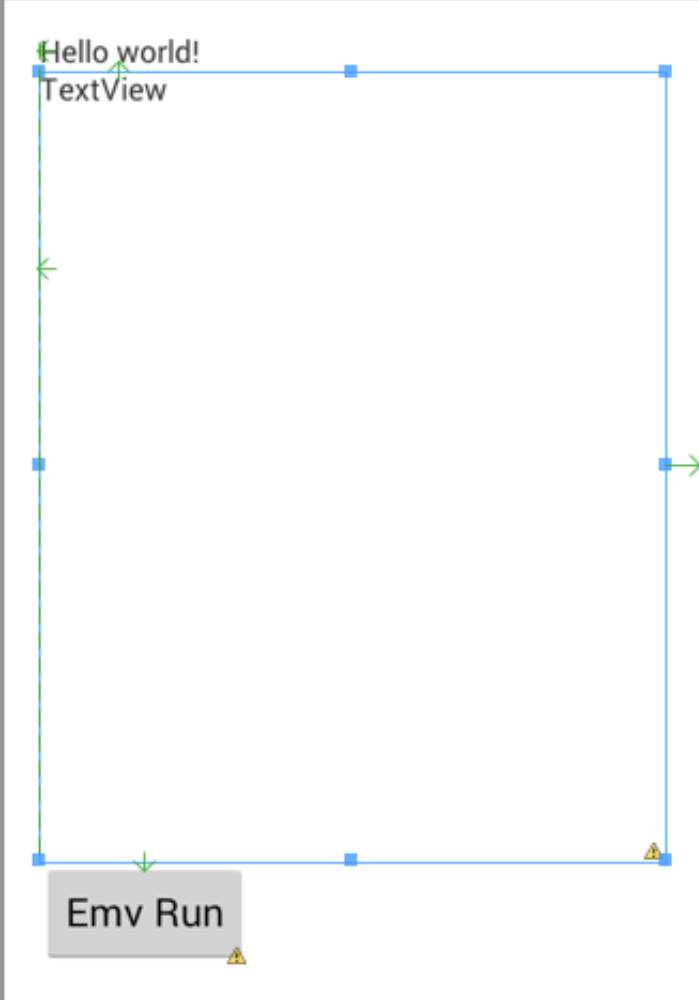
Create "Text View":

EmvExample

Hello world!
TextView

Emv Run

above: b
below: t
alignLef
alignPar





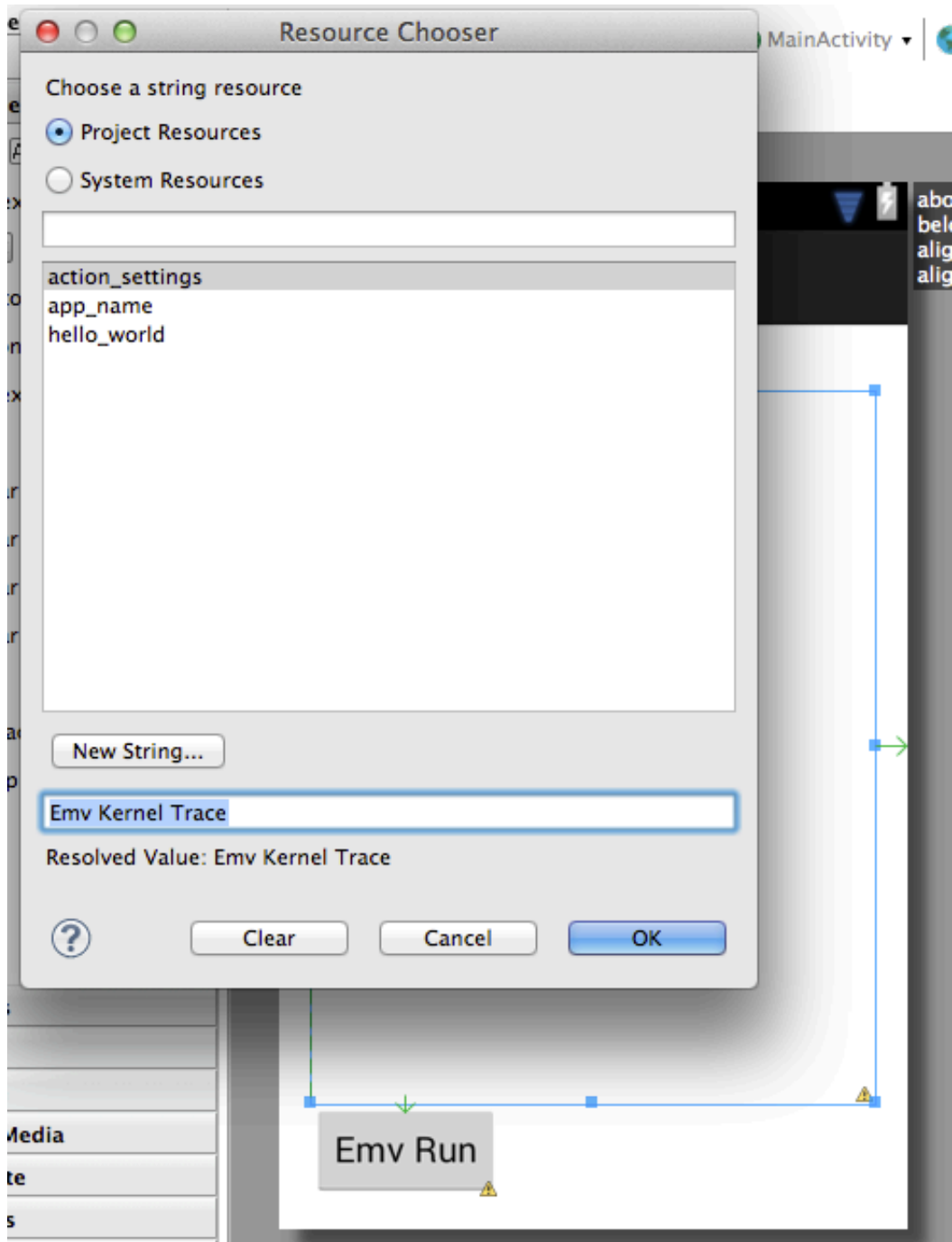
EmvExample

above: bu
below: te
alignLeft:
alignPare

Hello world!
TextView

- Edit Text... F2
- Edit ID... ⌘⌘R
- Edit TextAppearance...
- Edit TextColor...
- Edit TextSize...
- Layout Width ▶
- Layout Height ▶
- Other Properties ▶
- Extract Include...
- Extract Style...
- Wrap in Container...
- Remove Container...
- Change Widget Type...
- RelativeLayout ▶
- Select ▶
- Cut ⌘X
- Copy ⌘C

Emv Ru



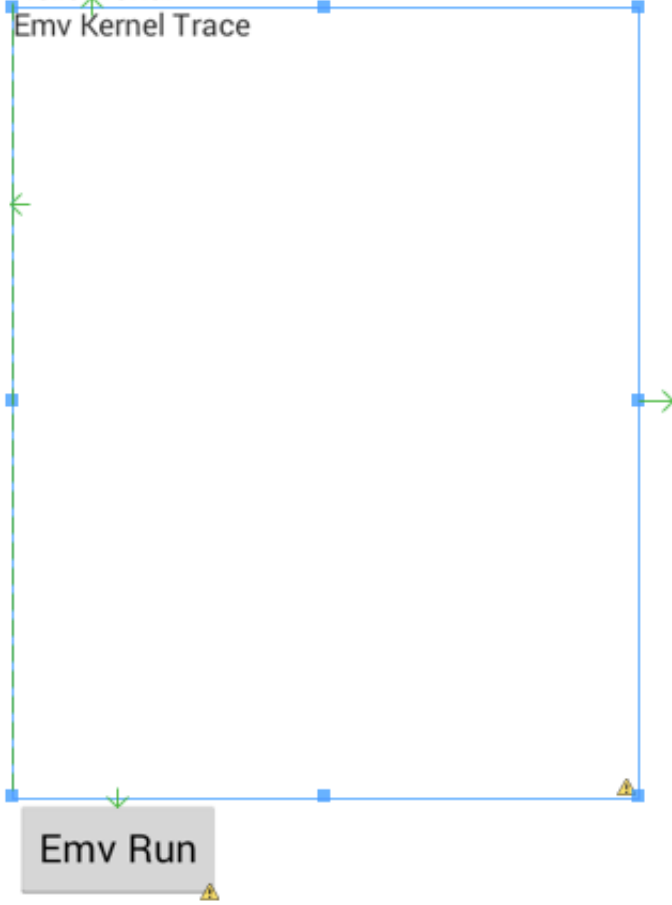


EmvExample

Hello world!

Emv Kernel Trace

Emv Run



above
below
align
align



EmvExample

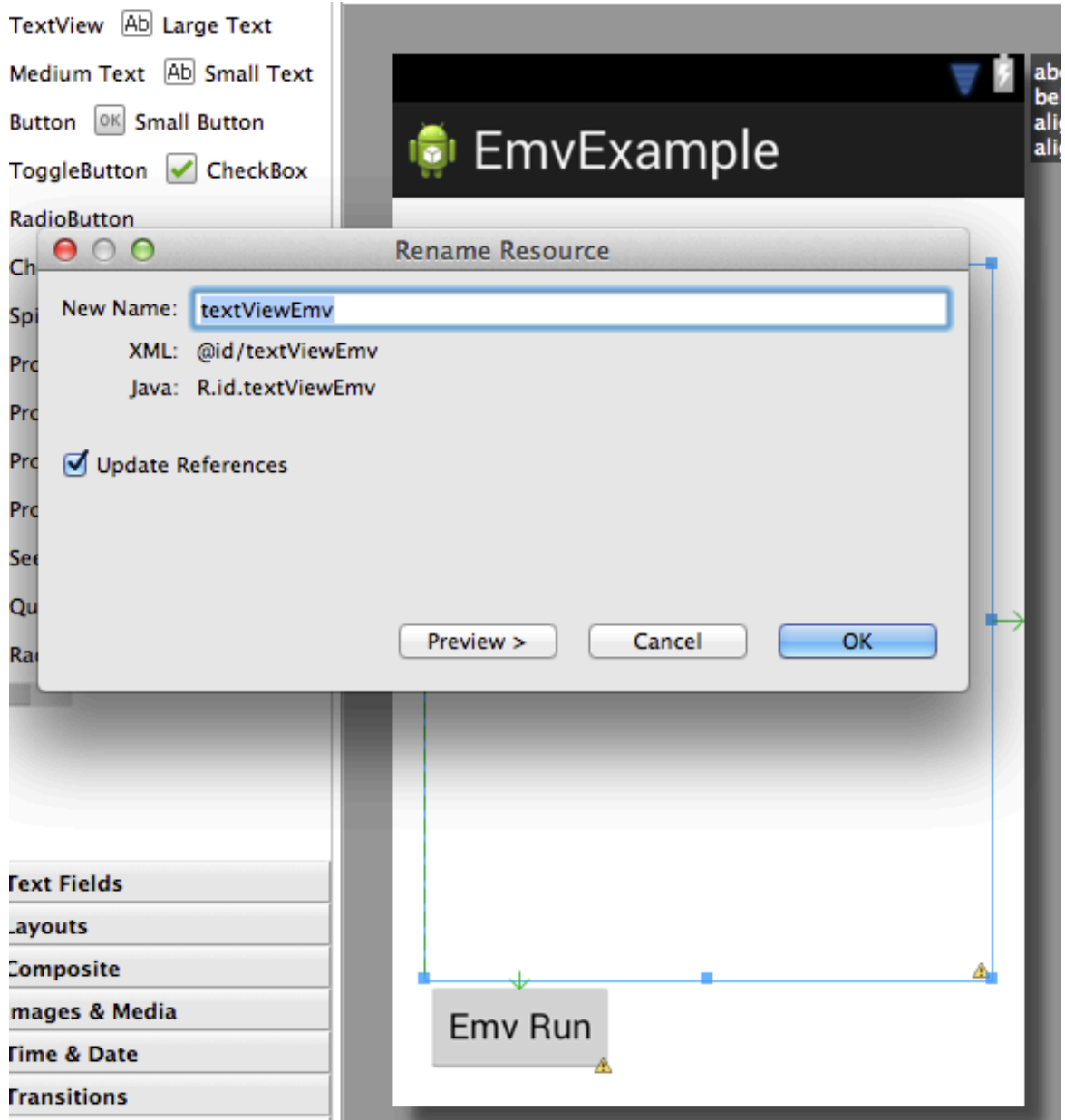
above: button1
below: textView1
alignLeft: textView
alignParentRight:

Hello world!

Emv Kernel Trace

Emv Run

- Edit Text... F2
- Edit ID... ⌘⌘R**
- Edit TextAppearance...
- Edit TextColor...
- Edit TextSize...
- Layout Width ▶
- Layout Height ▶
- Other Properties ▶
- Extract Include...
- Extract Style...
- Wrap in Container...
- Remove Container...
- Change Widget Type...
- RelativeLayout ▶
- Select ▶



Press "OK' and save it file.
go to "MainActivity.java" and change "findViewById(R.id.textView);
" to findViewById(R.id.textViewEmv);

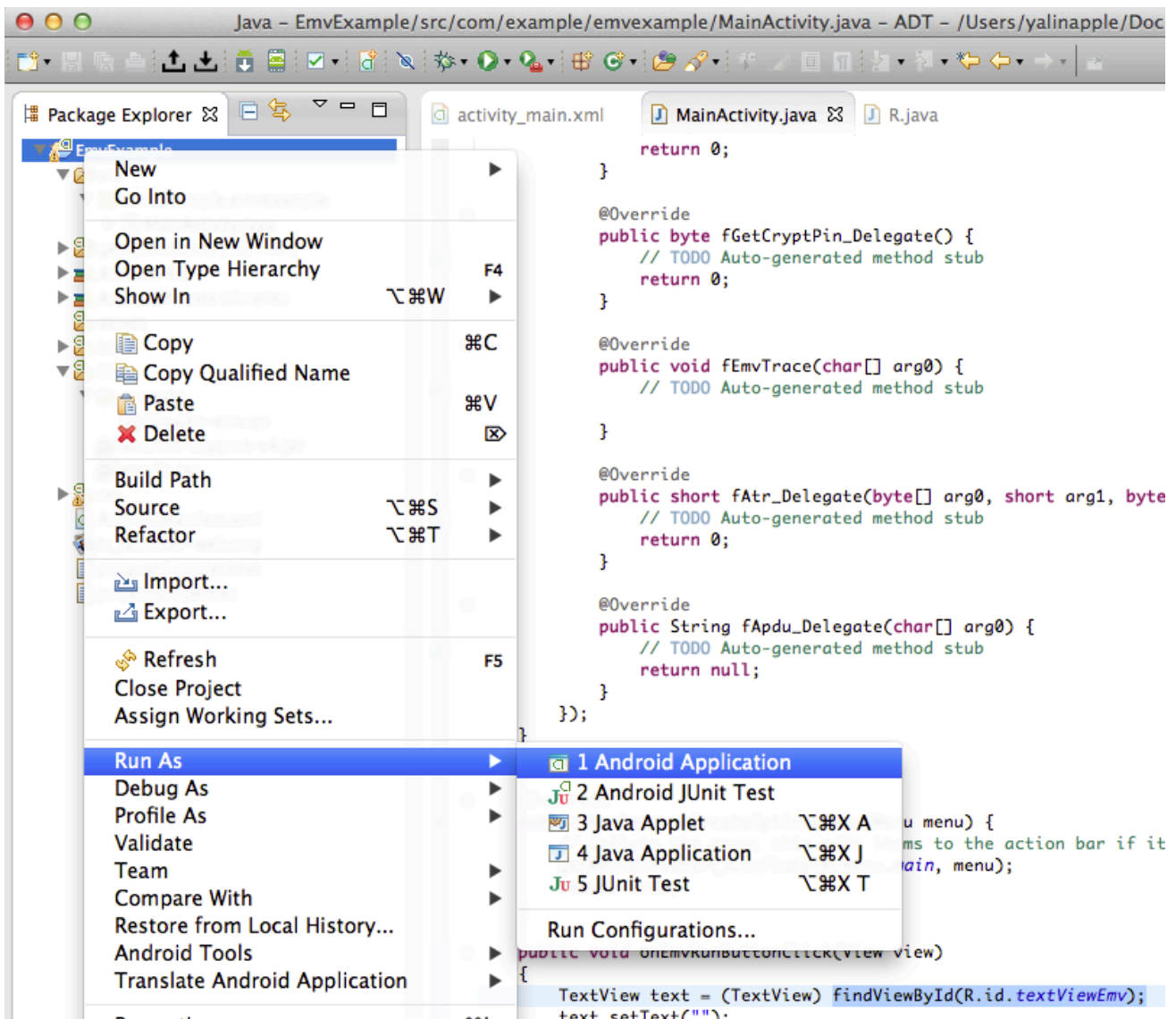
```

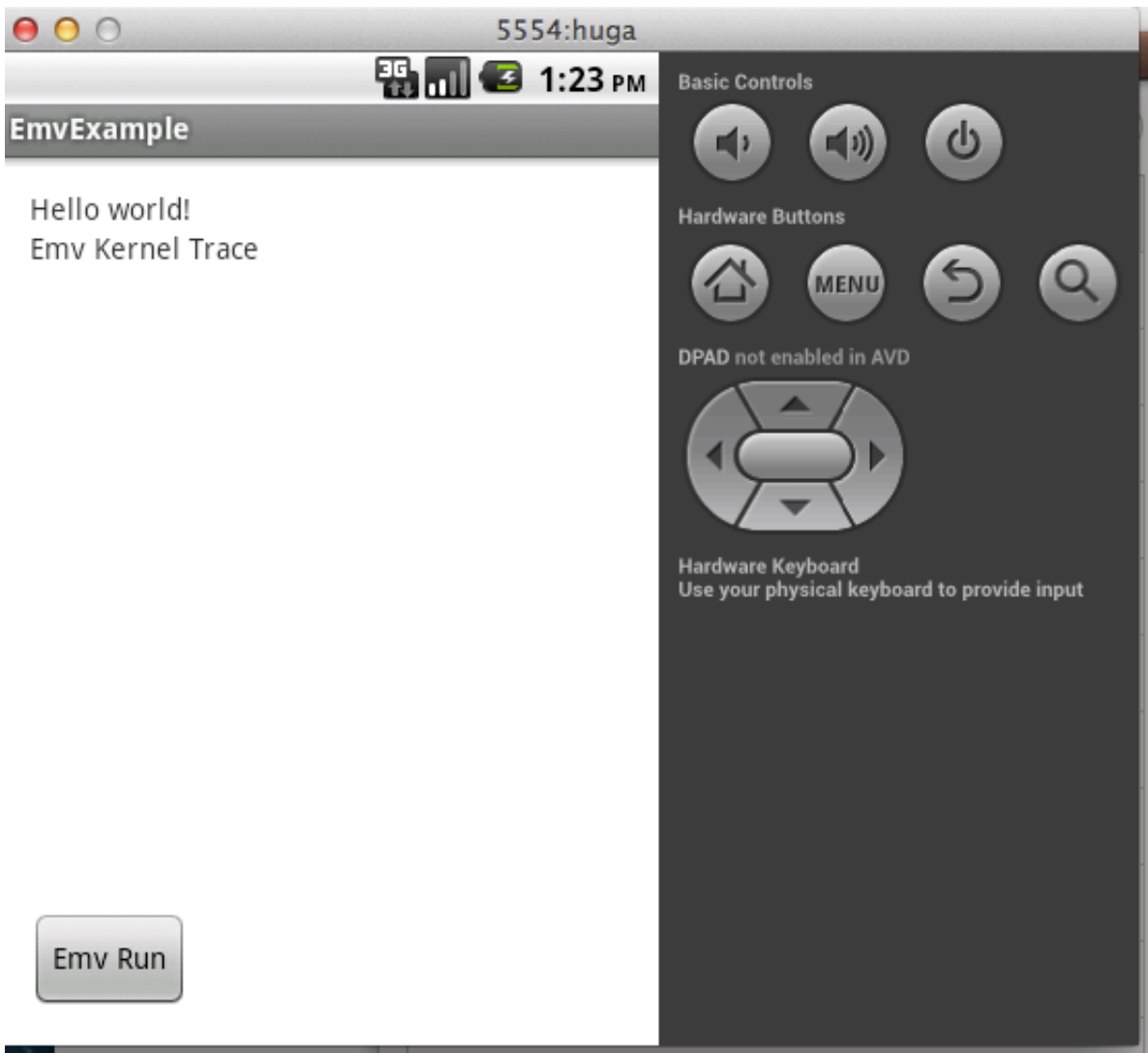
@Override
public boolean onCreateOptionsMenu(Menu menu) {
    // Inflate the menu; this adds items to the action bar if it is pre
    getMenuInflater().inflate(R.menu.main, menu);
    return true;
}

public void onEmvRunButtonClick(View view)
{
    TextView text = (TextView) findViewById(R.id.textViewEmv);
    text.setText("");

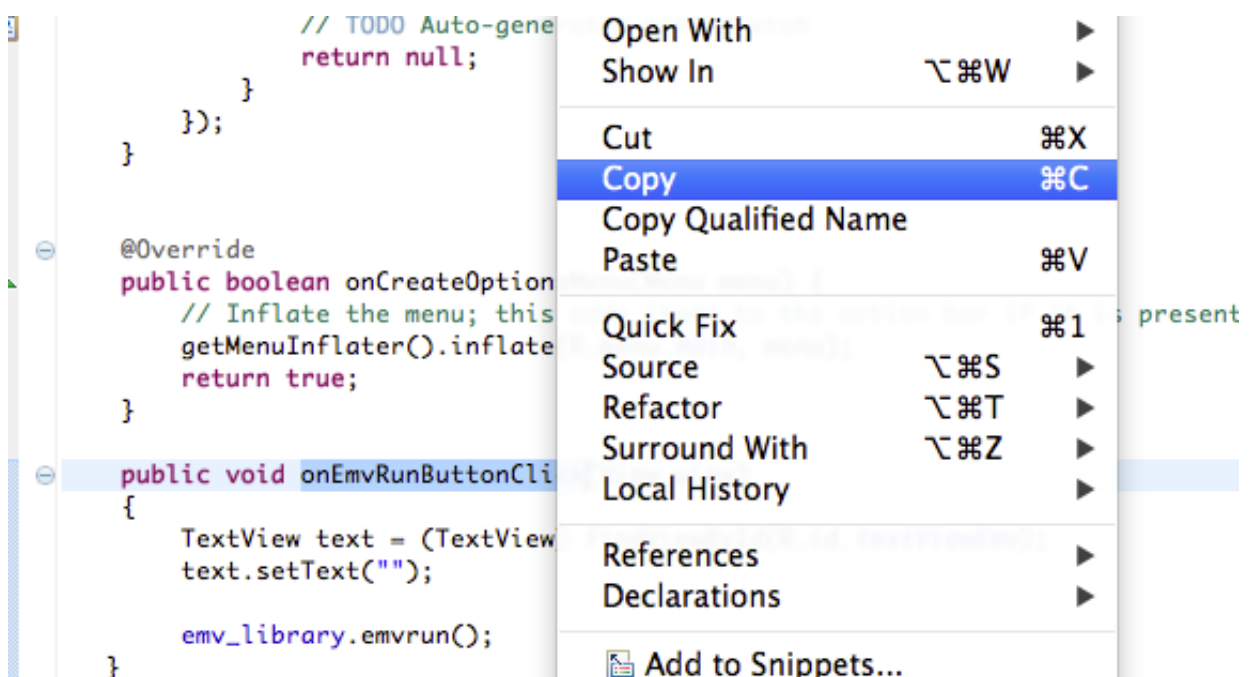
    emv_library.emvrun();
}
}

```





Copy name of method for buutton



and go to "xml"

```
*activity_main.xml MainActivity.java R.java
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:paddingBottom="@dimen/activity_vertical_margin"
    android:paddingLeft="@dimen/activity_horizontal_margin"
    android:paddingRight="@dimen/activity_horizontal_margin"
    android:paddingTop="@dimen/activity_vertical_margin"
    tools:context=".MainActivity" >

    <TextView
        android:id="@+id/textView1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="@string/hello_world" />

    <Button
        android:id="@+id/button1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentBottom="true"
        android:onClick="android:onClick"
        android:overScrollMode="android:overScrollMode" />

    <TextView
        android:
        android:
        android:
        android:
        android:
        android:
        android:
        android:
    />
</RelativeLayout>
```

android:onClick
android:overScrollMode

Name of the method in this View's context to invoke when the view is clicked. [string]

*activity_main.xml ⌘ MainActivity.java R.java

```
<RelativeLayout xmlns:android="http://schemas.android.com/
xmlns:tools="http://schemas.android.com/tools"
android:layout_width="match_parent"
android:layout_height="match_parent"
android:paddingBottom="@dimen/activity_vertical_margi
android:paddingLeft="@dimen/activity_horizontal_margi
android:paddingRight="@dimen/activity_horizontal_marg
android:paddingTop="@dimen/activity_vertical_margin"
tools:context=".MainActivity" >

<TextView
    android:id="@+id/textView1"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="@string/hello_world" />

<Button
    android:id="@+id/button1"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentBottom="true"
    android:onClick=""
    android:text="Emv Run" />

<TextView
    android:id="@+id/textViewEmv"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_above="@+id/button1"
    android:layout_alignLeft="@+id/textView1"
    android:layout_alignParentRight="true"
    android:layout_below="@+id/textView1"
    android:text="Emv Kernel Trace" />

</RelativeLayout>
```

```
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:paddingBottom="@dimen/activity_vertical_margin"
    android:paddingLeft="@dimen/activity_horizontal_margin"
    android:paddingRight="@dimen/activity_horizontal_margin"
    android:paddingTop="@dimen/activity_vertical_margin"
    tools:context=".MainActivity" >
```

```
<TextView
    android:id="@+id/textView1"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="@string/hello_world" />
```

```
<Button
    android:id="@+id/button1"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentBottom="true"
    android:onClick="onClick"
    android:text="Emv" />
```

```
<TextView
    android:id="@+id/textView2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentBottom="true"
    android:layout_alignParentLeft="true"
    android:layout_alignParentRight="true"
    android:layout_alignParentTop="true"
    android:text="Emv" />
```

```
</RelativeLayout>
```

- Undo Text Change ⌘Z
- Revert File
- Save ⌘S
- Open With ▶
- Show In ⌘W ▶
- Cut ⌘X
- Copy ⌘C
- Paste ⌘V**
- Quick Fix ⌘1
- Source ▶
- Refactor ▶
- Add to Snippets...
- Properties

```
*activity_main.xml  MainActivity.java  R.java
<RelativeLayout xmlns:android="http://schemas.android.com/apk
xmlns:tools="http://schemas.android.com/tools"
android:layout_width="match_parent"
android:layout_height="match_parent"
android:paddingBottom="@dimen/activity_vertical_margin"
android:paddingLeft="@dimen/activity_horizontal_margin"
android:paddingRight="@dimen/activity_horizontal_margin"
android:paddingTop="@dimen/activity_vertical_margin"
tools:context=".MainActivity" >

<TextView
    android:id="@+id/textView1"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="@string/hello_world" />

<Button
    android:id="@+id/button1"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentBottom="true"
    android:onClick="onEmvRunButtonClick"
    android:text="Emv Run" />

<TextView
    android:id="@+id/textViewEmv"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_above="@+id/button1"
    android:layout_alignLeft="@+id/textView1"
    android:layout_alignParentRight="true"
    android:layout_below="@+id/textView1"
    android:text="Emv Kernel Trace" />

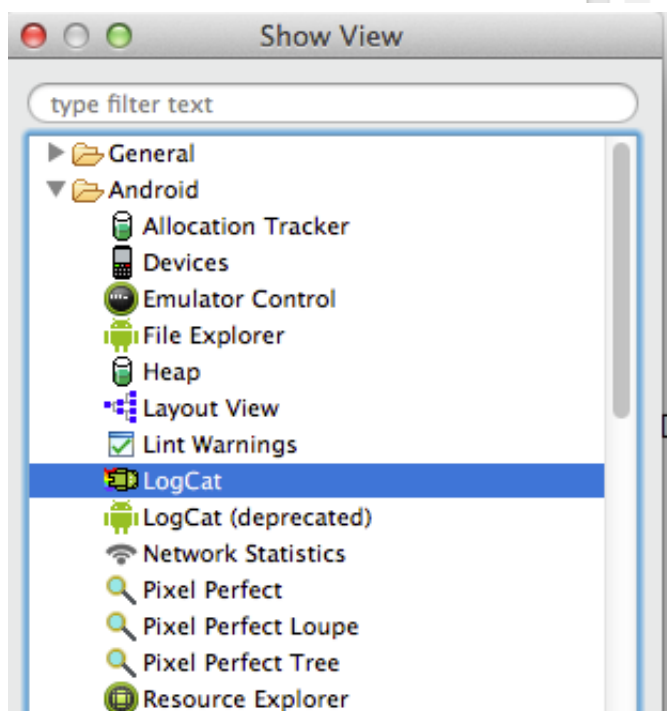
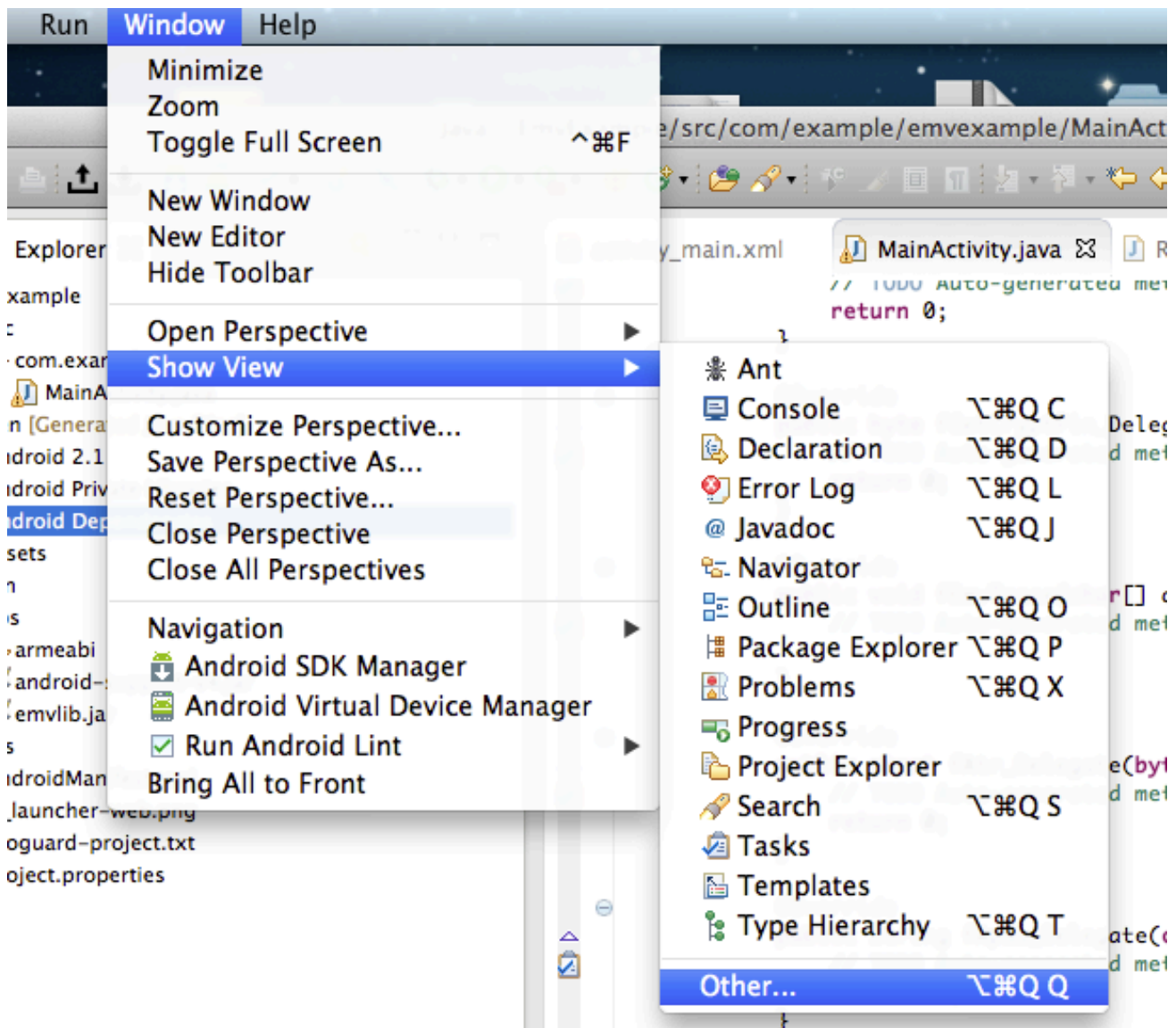
</RelativeLayout>
```

you can set:

```
public void onEmvRunButtonClick(View view)
{
    TextView text = (TextView) findViewById(R.id.textViewEmv);
    text.setText("emv_library.emvrun()");

    emv_library.emvrun();
}
```

Open LogCat window:



Please set trace inside delegate functions:

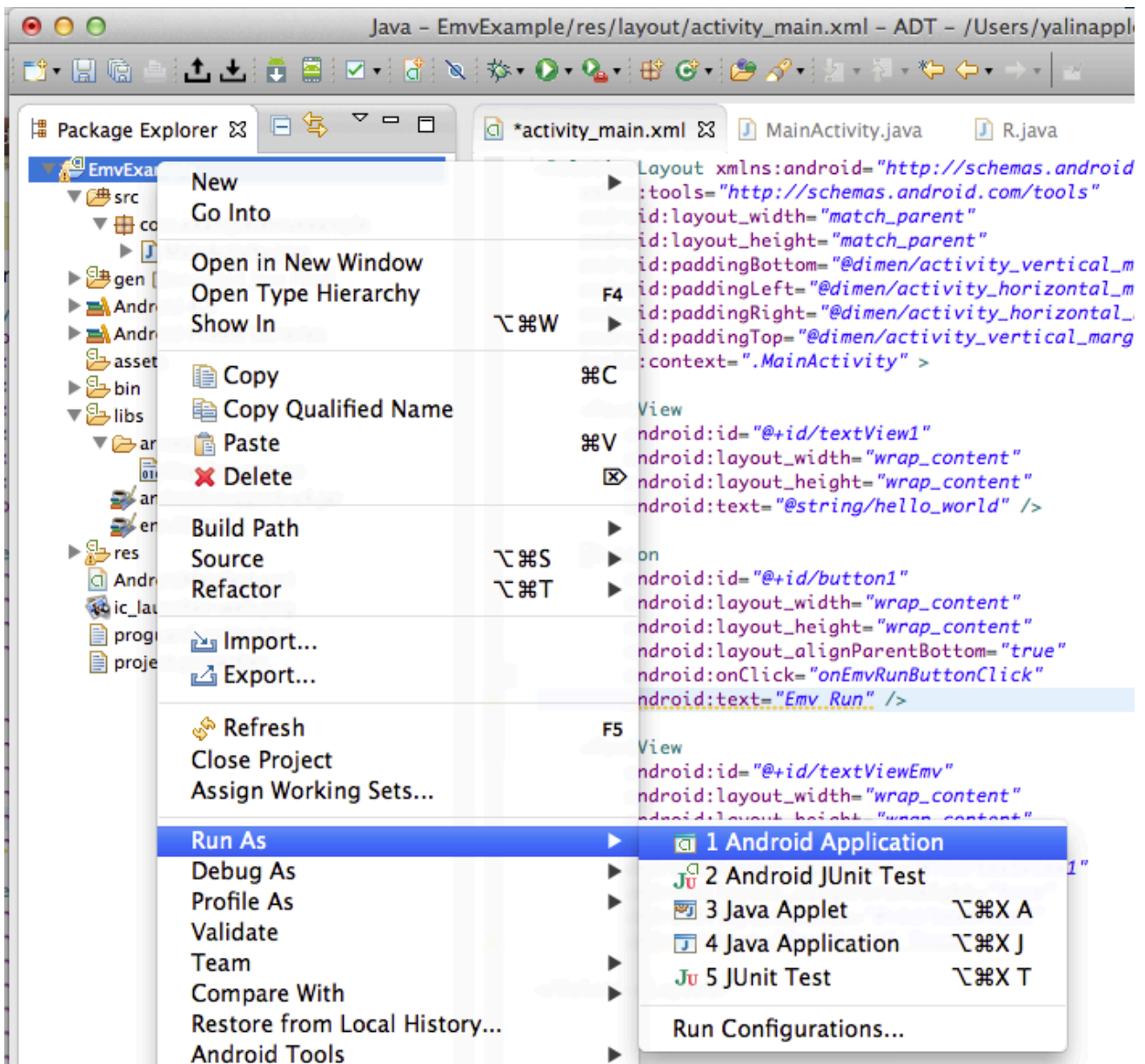
```

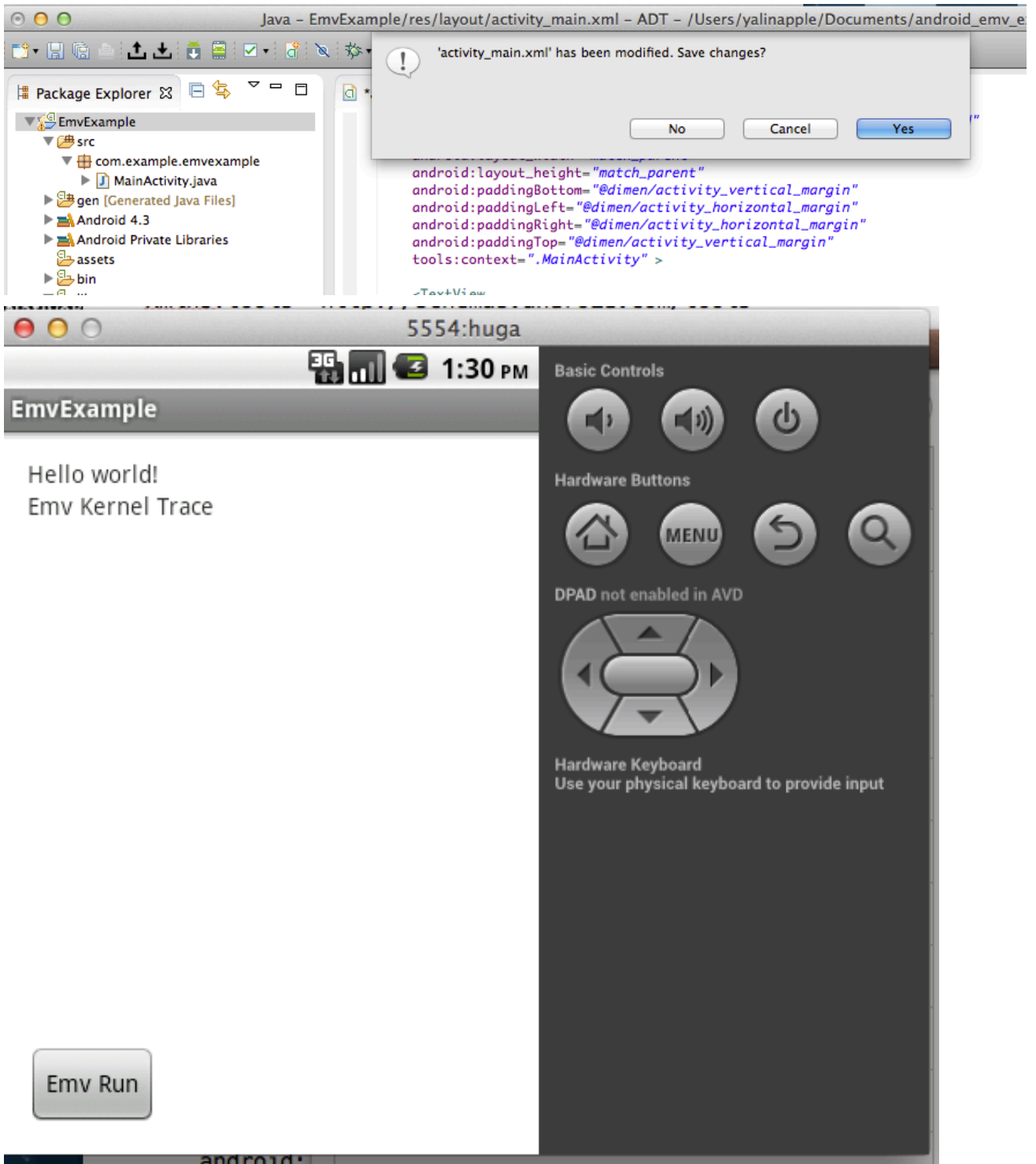
}

@Override
public short fAtr_Delegate(byte[] arg0, short arg1, byte[] arg2) {
    // TODO Auto-generated method stub
    Log.i("Emv", "fAtr_Delegate(byte[] arg0, short arg1, byte[] arg2)");
    return 0;
}

@Override
public String fApu_Delegate(char[] arg0) {
    // TODO Auto-generated method stub
    Log.i("Emv", "fApu_Delegate(char[] arg0)");
    return "";
}
});
}
}

```





And after press of button "EmvRan" you should see:

The screenshot shows an IDE with a Java code editor and a LogCat window. The code editor displays three methods:

```

@Override
public short fAtr_Delegate(byte[] arg0, short arg1, byte[] arg2) {
    // TODO Auto-generated method stub
    Log.i("Emv", "fAtr_Delegate(byte[] arg0, short arg1, byte[] arg2)");
    return 0;
}

@Override
public String fApu_Delegate(char[] arg0) {
    // TODO Auto-generated method stub
    Log.i("Emv", "fApu_Delegate(char[] arg0)");
    return "";
}
}

@Override
public boolean onCreateOptionsMenu(Menu menu) {

```

The LogCat window shows the following output:

PID	TID	Application	Tag	Text
441	441		Emv	fAtr_Delegate(byte[] arg0, short arg1, byte[] arg2)
441	441		Emv	fApu_Delegate(char[] arg0)
441	441		Emv	fApu_Delegate(char[] arg0)
441	441		Emv	fApu_Delegate(char[] arg0)
441	441		Emv	fApu_Delegate(char[] arg0)
441	441		Emv	fApu_Delegate(char[] arg0)
441	441		Emv	fApu_Delegate(char[] arg0)
441	441		Emv	fApu_Delegate(char[] arg0)

At now you can fill functions.

Please use functions from example "2013_09_08_Android.zip" on www.yalko.ru