

插入 button

- Text 為 Connect
- On Click 為 btn_test1

插入 button

- Text 為 Disconnect
- On Click 為 btn_test2

插入 button

- Text 為 Sent
- On Click 為 btn_test3

插入 button

- Text 為 Receive
- On Click 為 btn_test4

插入 EditText

- ID 為 editText1
- Text 為 192.168.123.2

插入 EditText

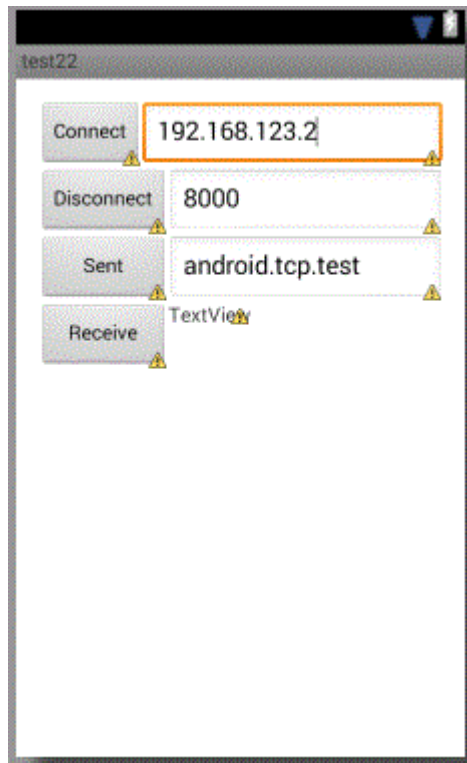
- ID 為 editText2
- Text 為 8000

插入 EditText

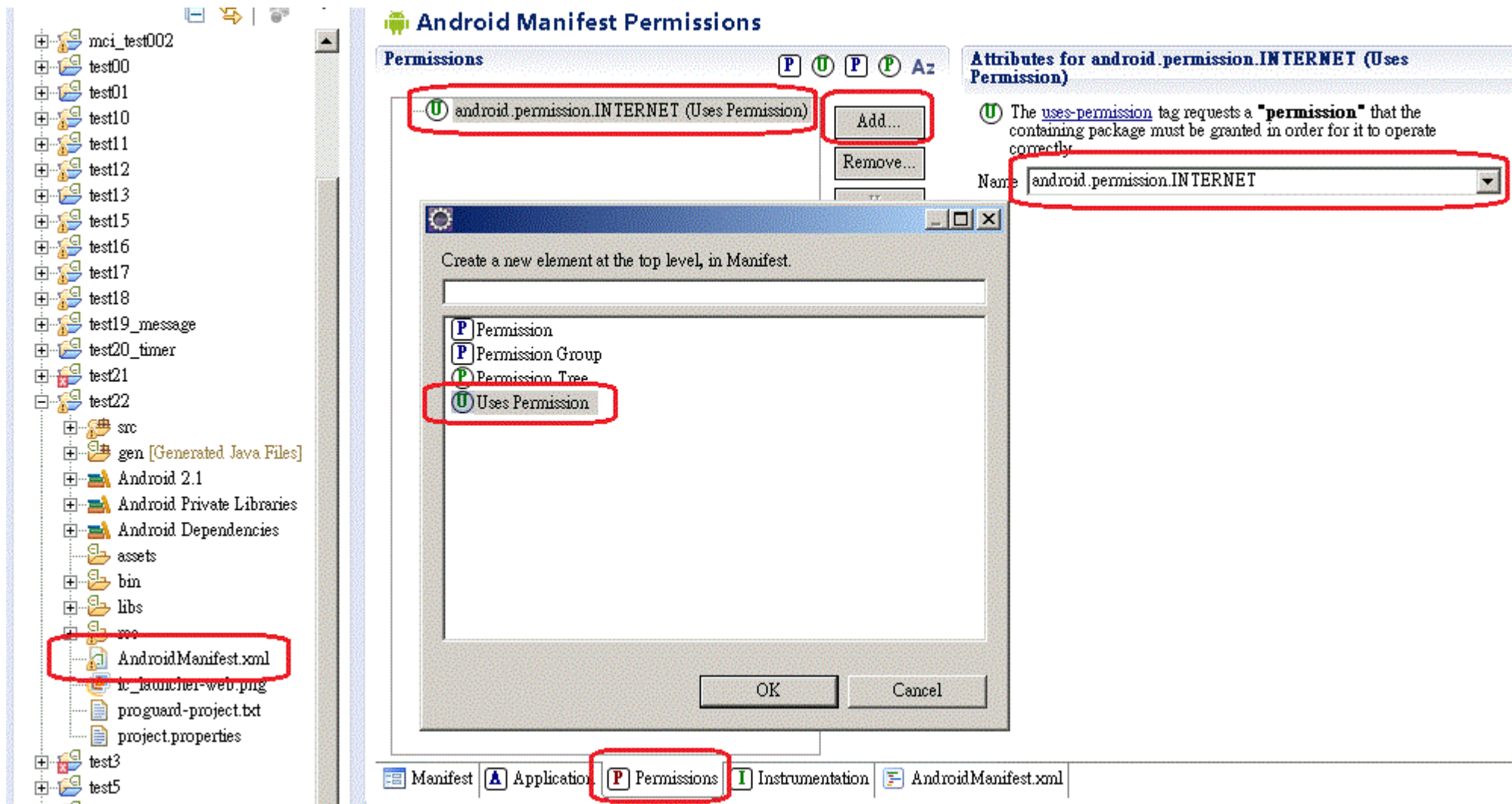
- ID 為 editText3
- Text 為 android.tcp.test

插入 ImageView

- ID 為 imageView1



Access ethernet,需要設權限 AndroidManifest.xml



```
<uses-permission android:name="android.permission.INTERNET"/>
```

```
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="com.example.test22"
    android:versionCode="1"
    android:versionName="1.0" >

    <uses-sdk
        android:minSdkVersion="7"
        android:targetSdkVersion="7" />
    <uses-permission android:name="android.permission.INTERNET" />

    <application
        android:allowBackup="true"
        android:icon="@drawable/ic_launcher"
        android:label="@string/app_name"
        android:theme="@style/AppTheme" >
        <activity
            android:name="com.example.test22.MainActivity"
            android:label="@string/app_name" >
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />

                <category android:name="android.intent.category.LAUNCHER" />
            </intent-filter>
        </activity>
    </application>
</manifest>
```

MainActivity.java 加入以下 code,按 ctrl+shift+o 自動補 import

```
public void btn_test1(View v){
    TextView ev1, ev2;
    ev1=(TextView)findViewById(R.id.editText1);
    ev2=(TextView)findViewById(R.id.editText2);
    try{

        //socket = new Socket("192.168.123.2",8000);
        socket = new Socket(ev1.getText().toString(),Integer.valueOf(ev2.getText().toString()));
    }catch (UnknownHostException e){
        e.printStackTrace();
    }catch (IOException e){
        e.printStackTrace();
    }
```

```
}

}

public void btn_test2(View v){
    try{
        socket.close();
    }catch (UnknownHostException e){
        e.printStackTrace();
    }catch (IOException e){
        e.printStackTrace();
    }
}

}

public void btn_test3(View v){
    TextView ev3;
    ev3=(TextView)findViewById(R.id.editText3);
    try{
        //String outMsg="test"+System.getProperty("line.separator");
        String outMsg=ev3.getText().toString()+System.getProperty("line.separator");
        BufferedWriter out=new BufferedWriter(new OutputStreamWriter(socket.getOutputStream()));

        out.write(outMsg);
        out.flush();
    }catch (UnknownHostException e){
        e.printStackTrace();
    }catch (IOException e){
        e.printStackTrace();
    }
}

}

public void btn_test4(View v){
    TextView tv1;
    String st1;
    tv1=(TextView)findViewById(R.id.textView1);
    try{
```

```
BufferedReader in= new BufferedReader(new InputStreamReader(socket.getInputStream()));  
st1=in.readLine(); // server must send string+\n (#10)
```

```
tv1.setText("Rx:"+st1);
```

```
}catch (UnknownHostException e){
```

```
    e.printStackTrace();
```

```
}catch (IOException e){
```

```
    e.printStackTrace();
```

```
}
```

```
}
```