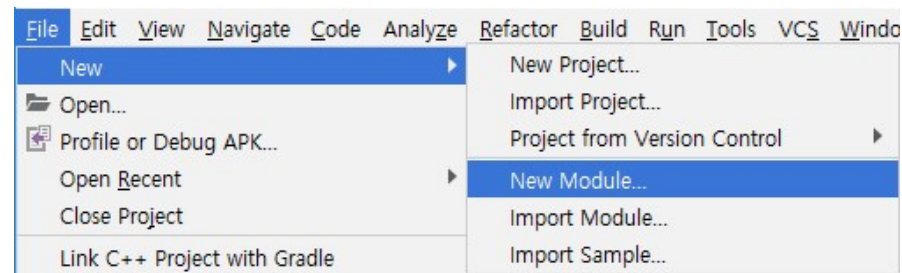
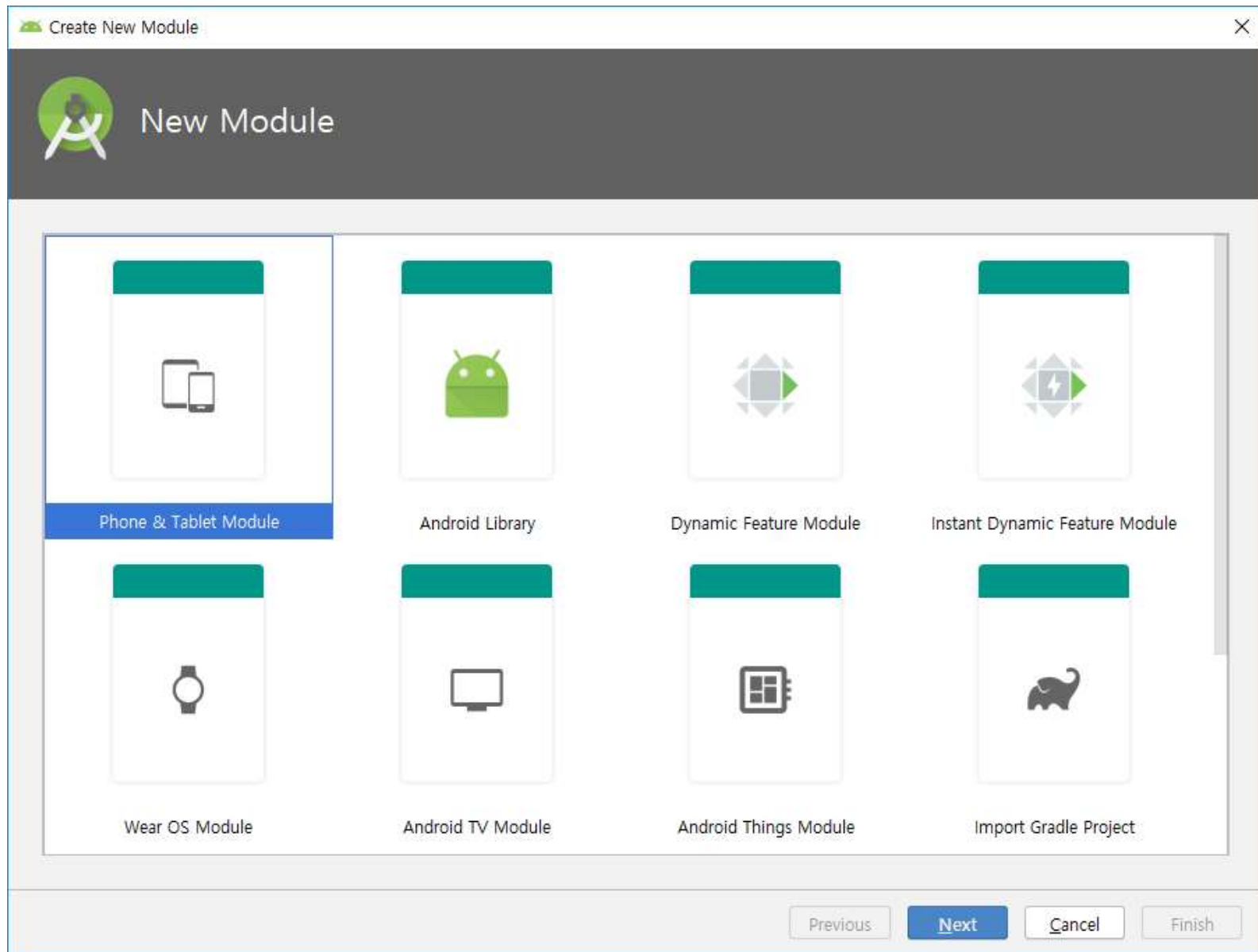




데리게이션 이벤트

# Step 1 \_ 모듈 생성





Create New Module

 Phone & Tablet Module

### Configure the new module

**Application/Library name**

**Module name**

**Package name**

com.example.user.lab04

Edit

**Minimum SDK**

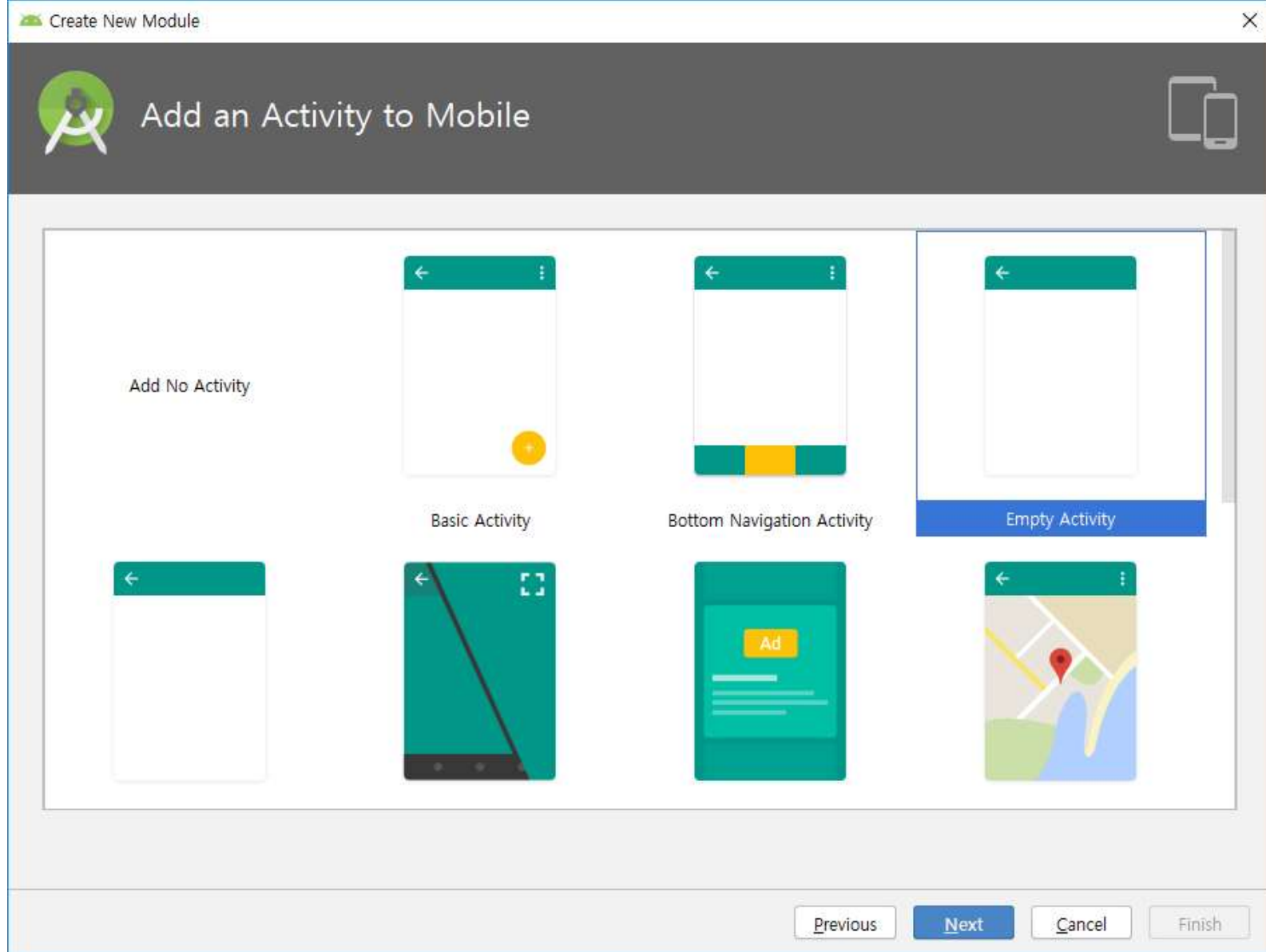
API 15: Android 4.0.3 (IceCreamSandwich) ▼

Previous



Next

Cancel

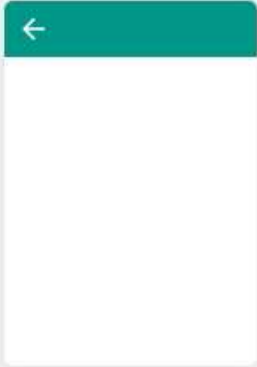
Finish



Create New Module

 Configure Activity

### Creates a new empty activity



Activity Name:

MainActivity

☒ Generate Layout File

Layout Name:

activity\_main

Source Language:

Java

The name of the activity class to create

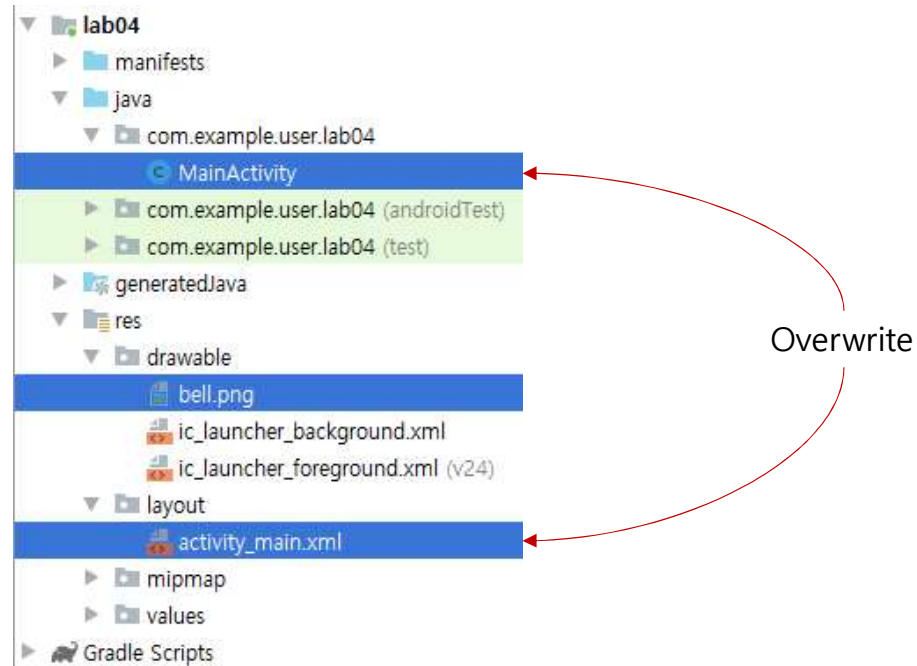
Previous

Next

Cancel

Finish

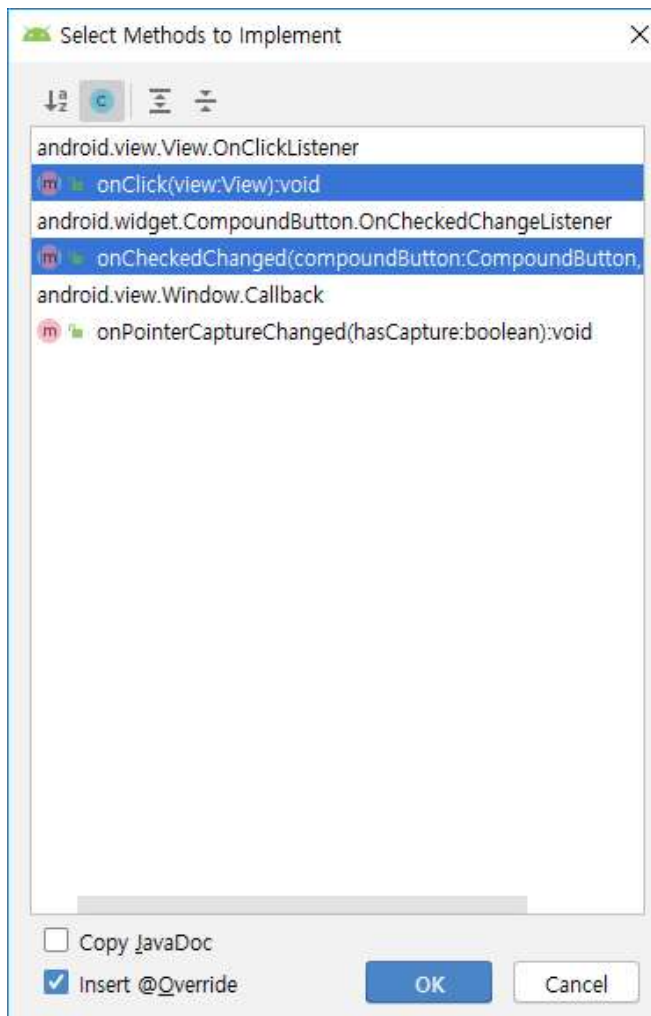
## Step 2 \_ 파일 복사



## Step 3 \_ 이벤트 리스너 인터페이스 선언

```
1 package com.example.user.lab04;
2
3 import ...
4
12 public class MainActivity extends AppCompatActivity implements View.OnClickListener, CompoundButton.OnCheckedChangeListener {
13
14     Implement methods
15     Make 'MainActivity' abstract
16
17     Add import for 'android.view.View.OnClickListener'
18     Create Test
19     Create subclass
20     Unimplement Interface
21     Annotate interface 'OnClickListener' as @Deprecated
22
23     super.onCreate(savedInstanceState);
24     setContentView(R.layout.activity_main);
25
26     bellTextView = findViewById(R.id.bell_name);
27     labelTextView = findViewById(R.id.label);
28     repeatCheckView = findViewById(R.id.repeatCheck);
29     vibrateCheckView = findViewById(R.id.vibrate);
30     switchView = findViewById(R.id.onOff);
31 }
32
33 private void showToast(String message){
34     Toast toast = Toast.makeText(context: this, message, Toast.LENGTH_SHORT);
35     toast.show();
36 }
37 }
```





```
public class MainActivity extends AppCompatActivity implements View.OnClickListener, CompoundButton.OnCheckedChangeListener {

    TextView bellTextView;
    TextView labelTextView;
    CheckBox repeatCheckView;
    CheckBox vibrateCheckView;
    Switch switchView;

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

        bellTextView = findViewById(R.id.bell_name);
        labelTextView = findViewById(R.id.label);
        repeatCheckView = findViewById(R.id.repeatCheck);
        vibrateCheckView = findViewById(R.id.vibrate);
        switchView = findViewById(R.id.onOff);
    }

    private void showToast(String message){
        Toast toast = Toast.makeText(this, message, Toast.LENGTH_SHORT);
        toast.show();
    }

    @Override
    public void onClick(View view) {
    }

    @Override
    public void onCheckedChanged(CompoundButton buttonView, boolean isChecked) {
    }
}
```

## Step 4 \_ onClick() 함수 구현

@Override

```
public void onClick(View view) {  
    if (view == bellTextView) {  
        showToast("bell text click event...");  
    } else if (view == labelTextView) {  
        showToast("label text click event...");  
    }  
}
```

## Step 5 \_ onCheckedChanged() 함수 구현

@Override

```
public void onCheckedChanged(CompoundButton buttonView, boolean isChecked) {  
    if (buttonView == repeatCheckView) {  
        showToast("repeat checkbox is " + isChecked);  
    } else if (buttonView == vibrateCheckView) {  
        showToast("vibrate checkbox is " + isChecked);  
    } else if (buttonView == switchView) {  
        showToast("switch is " + isChecked);  
    }  
}
```

## Step 6 \_ onCreate() 함수에서 리스너 등록

@Override

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

```
    bellTextView = findViewById(R.id.bell_name);  
    labelTextView = findViewById(R.id.label);  
    repeatCheckView = findViewById(R.id.repeatCheck);  
    vibrateCheckView = findViewById(R.id.vibrate);  
    switchView = findViewById(R.id.onOff);
```

```
    bellTextView.setOnClickListener(this);
```

```
    labelTextView.setOnClickListener(this);
```

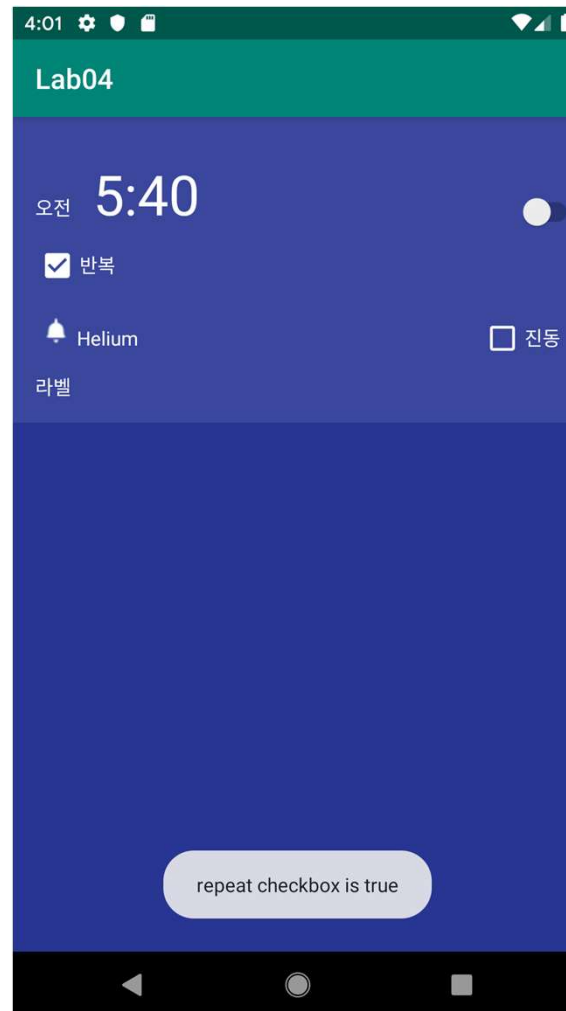
```
    repeatCheckView.setOnCheckedChangeListener(this);
```

```
    vibrateCheckView.setOnCheckedChangeListener(this);
```

```
    switchView.setOnCheckedChangeListener(this);
```

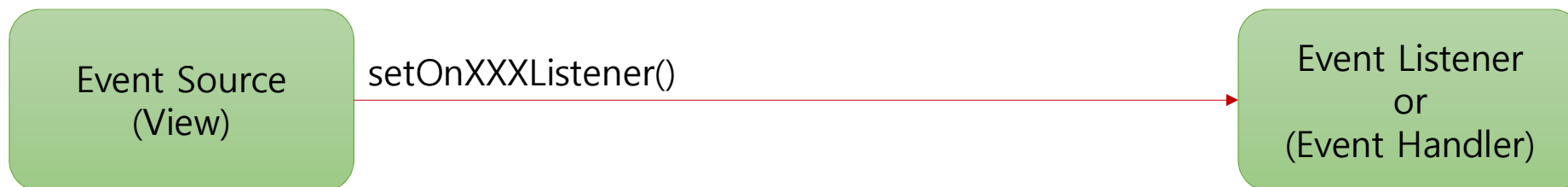
```
}
```

# Step 7 \_ 실행

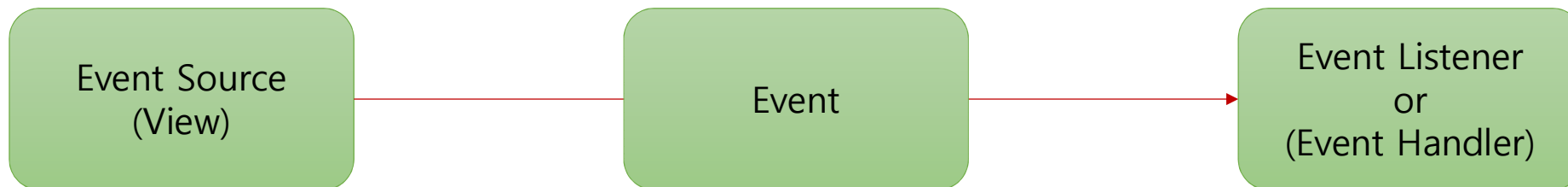


# Delegation Event Model

- 이벤트 리스너 등록



- 이벤트 처리



 : Object