



프레임레이아웃

프레임레이아웃을 활용한 화면 구현



프로젝트 생성

2



Application name: **FrameLayoutTest**

Company Domain: **admid.example.com**

Project location: **C:\Android\StdWork\FrameLayoutTest**

Target Android Devices

- **Phone and Tabet**

- **Minimun SDK API 15 : Android 4.0.3**

Add an activity to Mobile : **Empty Activity**

Customize the Activity

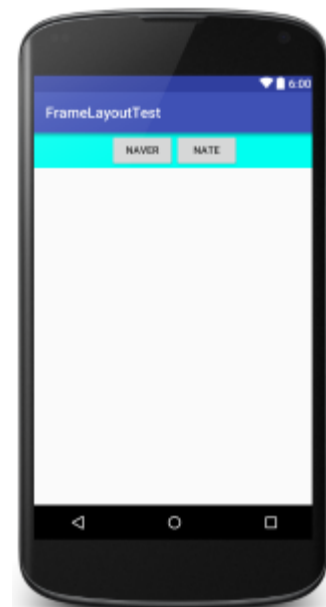
- Activity Name: **MainActivity**

- Layout Name: **activity_main**



1. 코딩

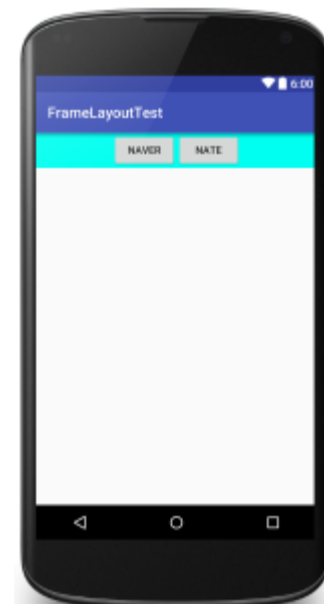
```
activity_main.xml x
1  <?xml version="1.0" encoding="utf-8"?>
2  <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
3      xmlns:tools="http://schemas.android.com/tools"
4      android:layout_width="match_parent"
5      android:layout_height="match_parent"
6      android:orientation="vertical">
7
8      <LinearLayout
9          android:layout_width="match_parent"
10         android:layout_height="wrap_content"
11         android:gravity="center_horizontal"
12         android:background="#00FFFF">
13
14         <Button
15             android:id="@+id/btn01"
16             android:layout_width="wrap_content"
17             android:layout_height="wrap_content"
18             android:text="Naver" />
19
20         <Button
21             android:id="@+id/btn02"
22             android:layout_width="wrap_content"
23             android:layout_height="wrap_content"
24             android:text="Nate" />
25     </LinearLayout>
26
```



리니어레이아웃에 버튼을 추가

```
activity_main.xml x
25 </LinearLayout>
26
27 <FrameLayout
28     android:id="@+id/frm"
29     android:layout_width="match_parent"
30     android:layout_height="match_parent">
31
32     <LinearLayout
33         android:id="@+id/line1"
34         android:layout_width="match_parent"
35         android:layout_height="match_parent"
36         android:orientation="vertical"
37         android:visibility="invisible">
38
39         <WebView
40             android:id="@+id/web1"
41             android:layout_width="match_parent"
42             android:layout_height="match_parent" />
43
44     </LinearLayout>
45
46 <LinearLayout
```

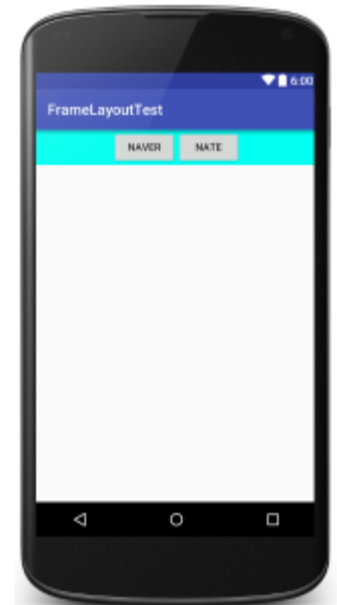
2. 코딩



프레임레이아웃에 리니어레이아웃 2개
추가하여 웹뷰를 추가

```
activity_main.xml x
41      android:layout_width="match_parent"
42      android:layout_height="match_parent" />
43
44  </LinearLayout>
45
46  <LinearLayout
47      android:id="@+id/line2"
48      android:layout_width="match_parent"
49      android:layout_height="match_parent"
50      android:orientation="vertical"
51      android:visibility="invisible">
52
53      <WebView
54          android:id="@+id/web2"
55          android:layout_width="match_parent"
56          android:layout_height="match_parent" />
57
58  </LinearLayout>
59  </FrameLayout>
60  </LinearLayout>
```

3. 코딩



```
MainActivity.java x
1 package com.example.admin.frameLayouttest;
2
3 import android.os.Bundle;
4 import android.support.v7.app.AppCompatActivity;
5 import android.view.View;
6 import android.webkit.WebView;
7 import android.widget.Button;
8 import android.widget.LinearLayout;
9 import android.widget.Toast;
10
11 public class MainActivity extends AppCompatActivity {
12
13     Button btn1, btn2;
14     LinearLayout line1, line2;
15     WebView web1, web2;
16
17     @Override
18     protected void onCreate(Bundle savedInstanceState) {
```

추후 확인

추후 Import 확인

4. 코딩

Button, LinearLayout, WebView 변수 생성

MainActivity.java x

```
17  @Override
18  protected void onCreate(Bundle savedInstanceState) {
19      super.onCreate(savedInstanceState);
20      setContentView(R.layout.activity_main);
21
22      btn1 = (Button)findViewById(R.id.btn01);
23      btn2 = (Button)findViewById(R.id.btn02);
24      line1 = (LinearLayout)findViewById(R.id.line1);
25      line2 = (LinearLayout)findViewById(R.id.line2);
26      web1 = (WebView)findViewById(R.id.web1);
27      web2 = (WebView)findViewById(R.id.web2);
28
29      btn1.setOnClickListener(new View.OnClickListener() {
30          @Override
31          public void onClick(View v) {
32              web1.loadUrl("http://m.naver.com");
33              line1.setVisibility(View.VISIBLE);
34              line2.setVisibility(View.INVISIBLE);
35              Toast.makeText(getApplicationContext(),
36                  "네이버 사이트 연결 중..", Toast.LENGTH_LONG).show();
37          }
38      });
39
40      btn2.setOnClickListener(new View.OnClickListener() {
```

5. 코딩

Button, LinearLayout,
WebView를 화면디자인에
서 생성한 위젯과 연결

Button btn1이 클릭되었을
때, 네이버의 웹페이지를
연결하고 LinearLayout 보
이고 숨기기

6. 코딩

```

37 }
38 });
39
40 btn2.setOnClickListener(new View.OnClickListener() {
41     @Override
42     public void onClick(View v) {
43         web2.loadUrl("http://m.nate.com");
44         line1.setVisibility(View.INVISIBLE);
45         line2.setVisibility(View.VISIBLE);
46         Toast.makeText(getApplicationContext(),
47             "네이트 사이트 연결 중..", Toast.LENGTH_LONG).show();
48     }
49 });
50 }
51
52

```

Button btn2가 클릭되었을 때, 네이트의 웹페이지를 연결하고 LinearLayout 보이고 숨기기



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

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

    <application
        android:allowBackup="true"
        android:icon="@mipmap/ic_launcher"
        android:label="FrameLayoutTest"
        android:supportRtl="true"
        android:theme="@style/AppTheme">
        <activity android:name=".MainActivity">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />

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

</manifest>
```

7. 추가

개발한 앱이 인터넷을 활용하려면 "INTERNET" 퍼미션을 추가해야 함.

