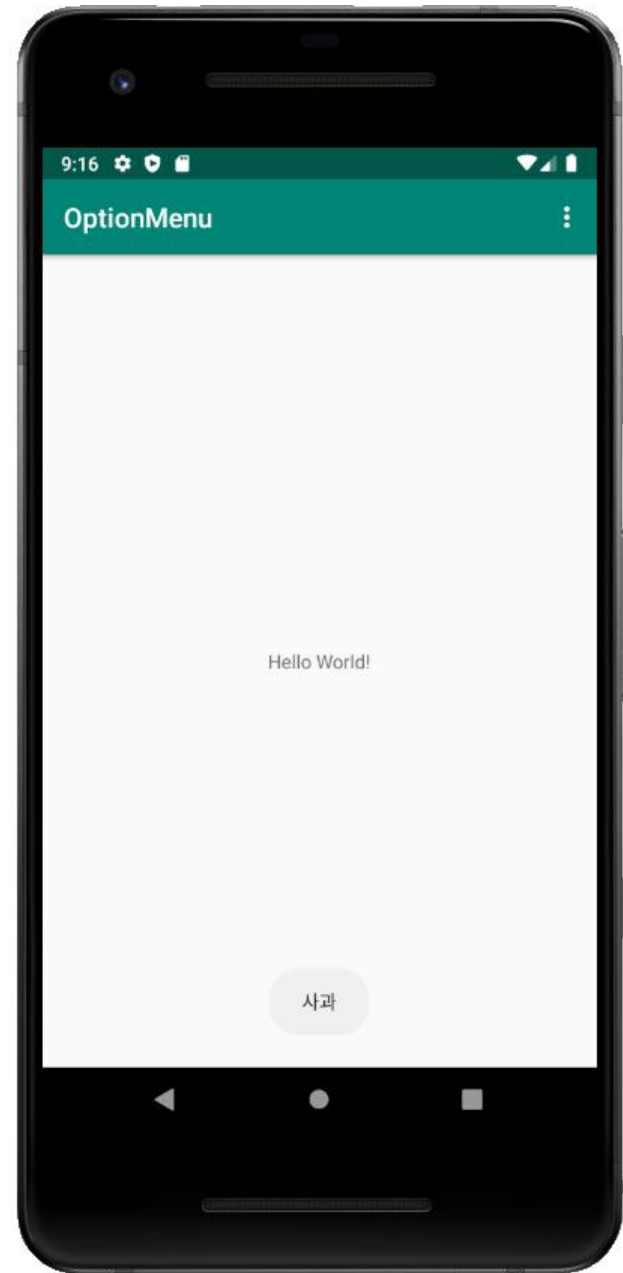
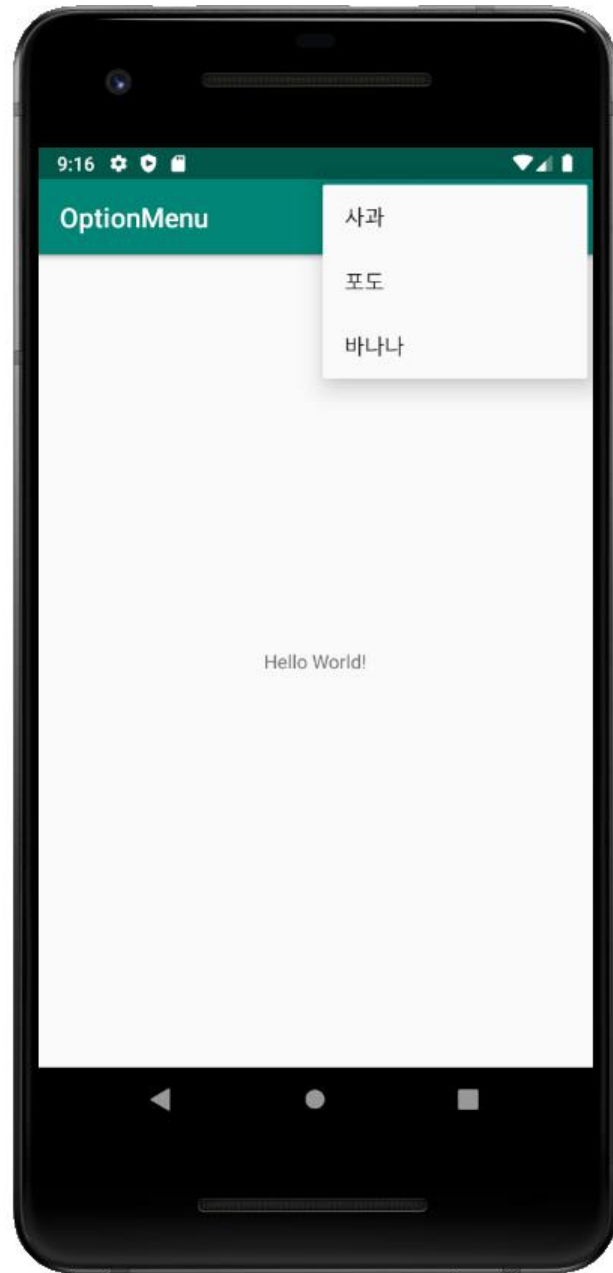
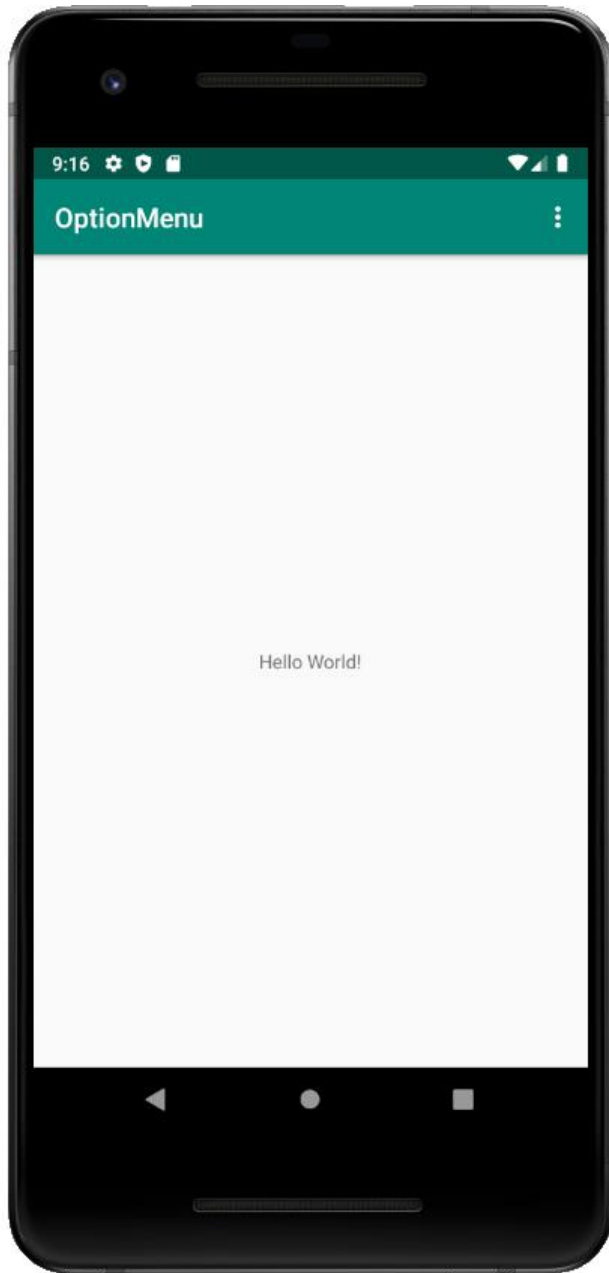


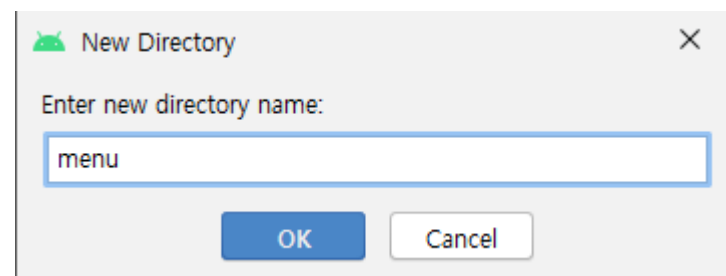
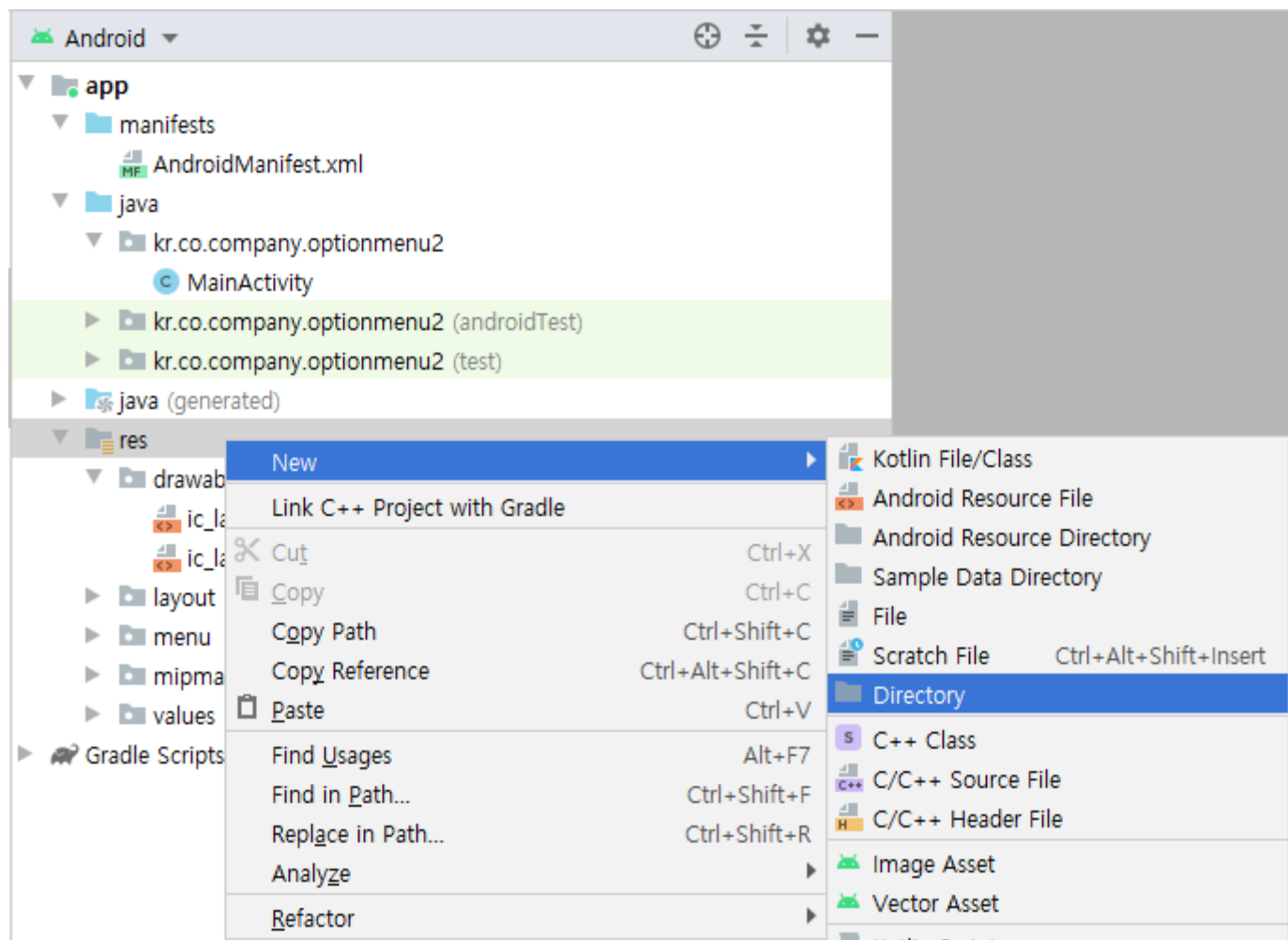
# 05

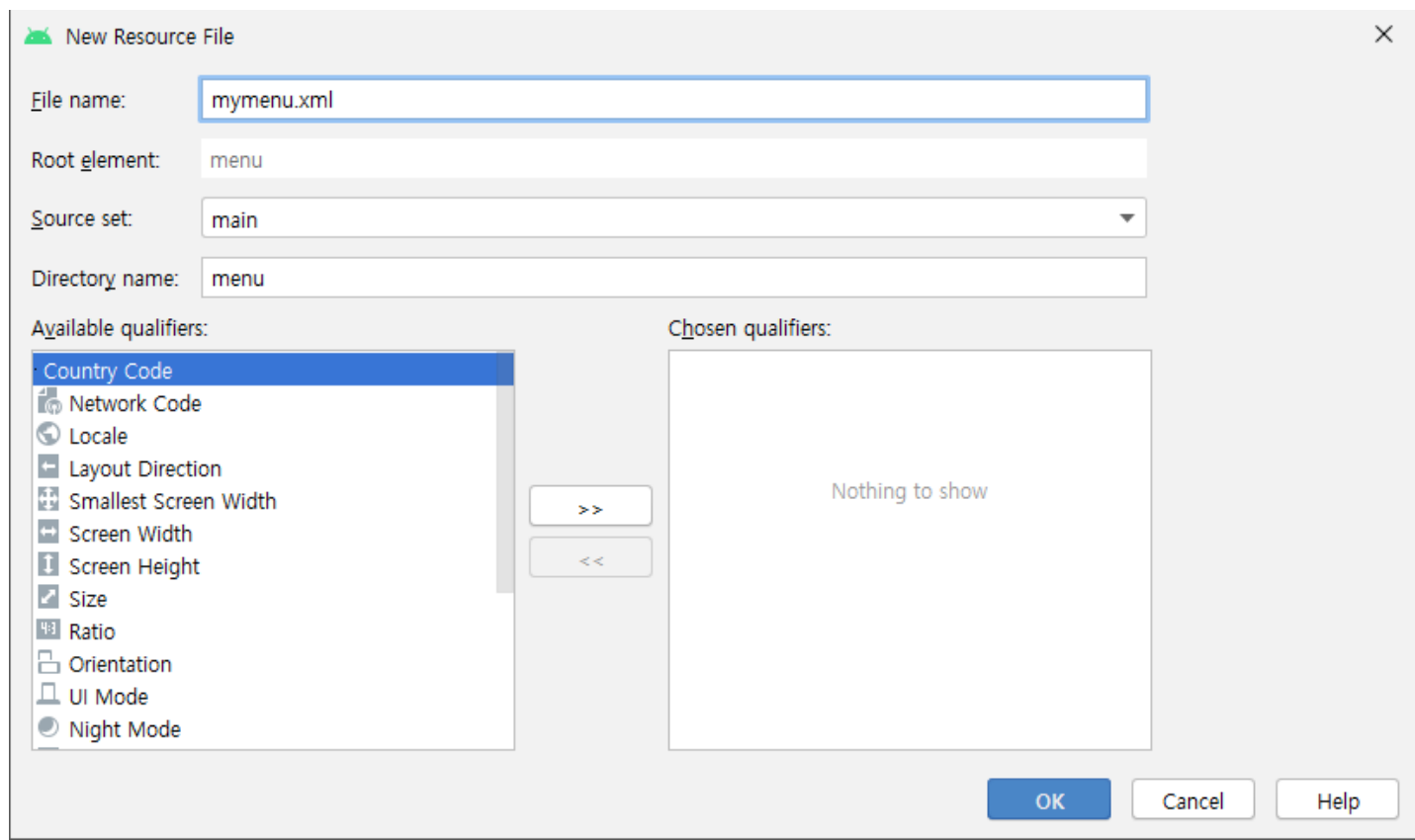
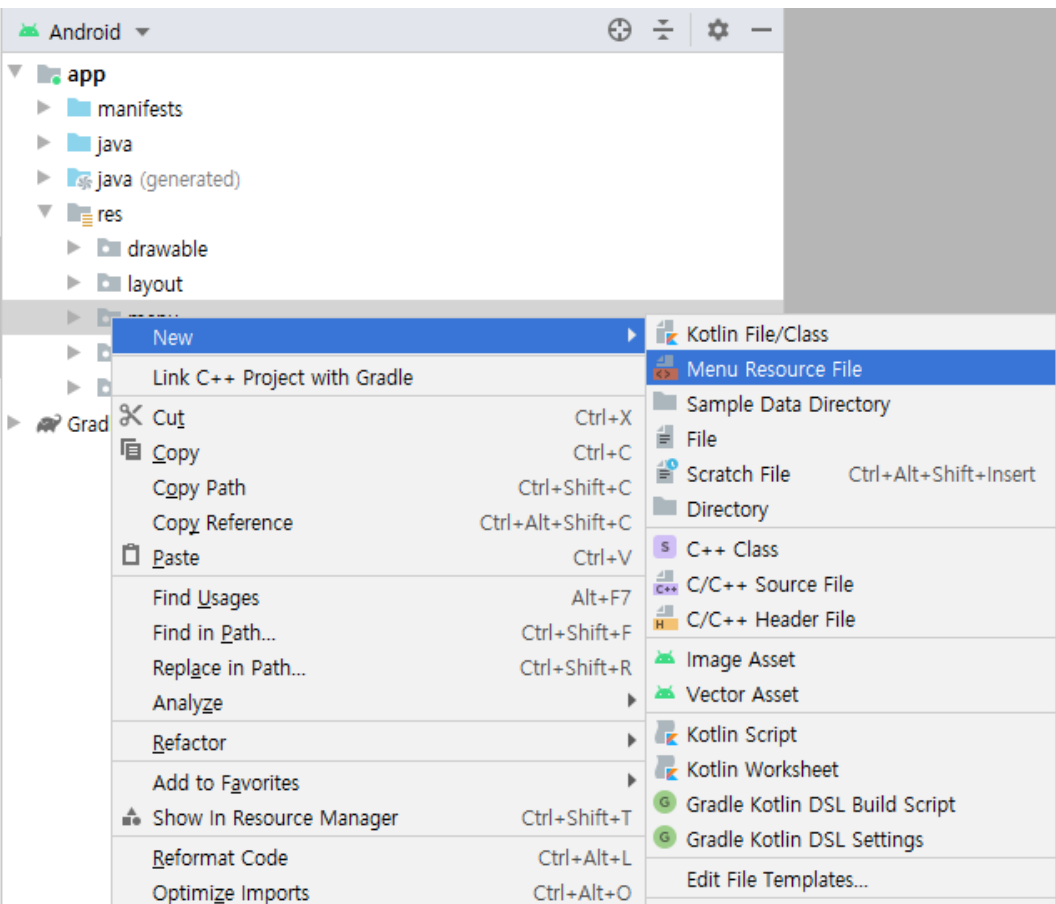
## 메뉴와 대화상자

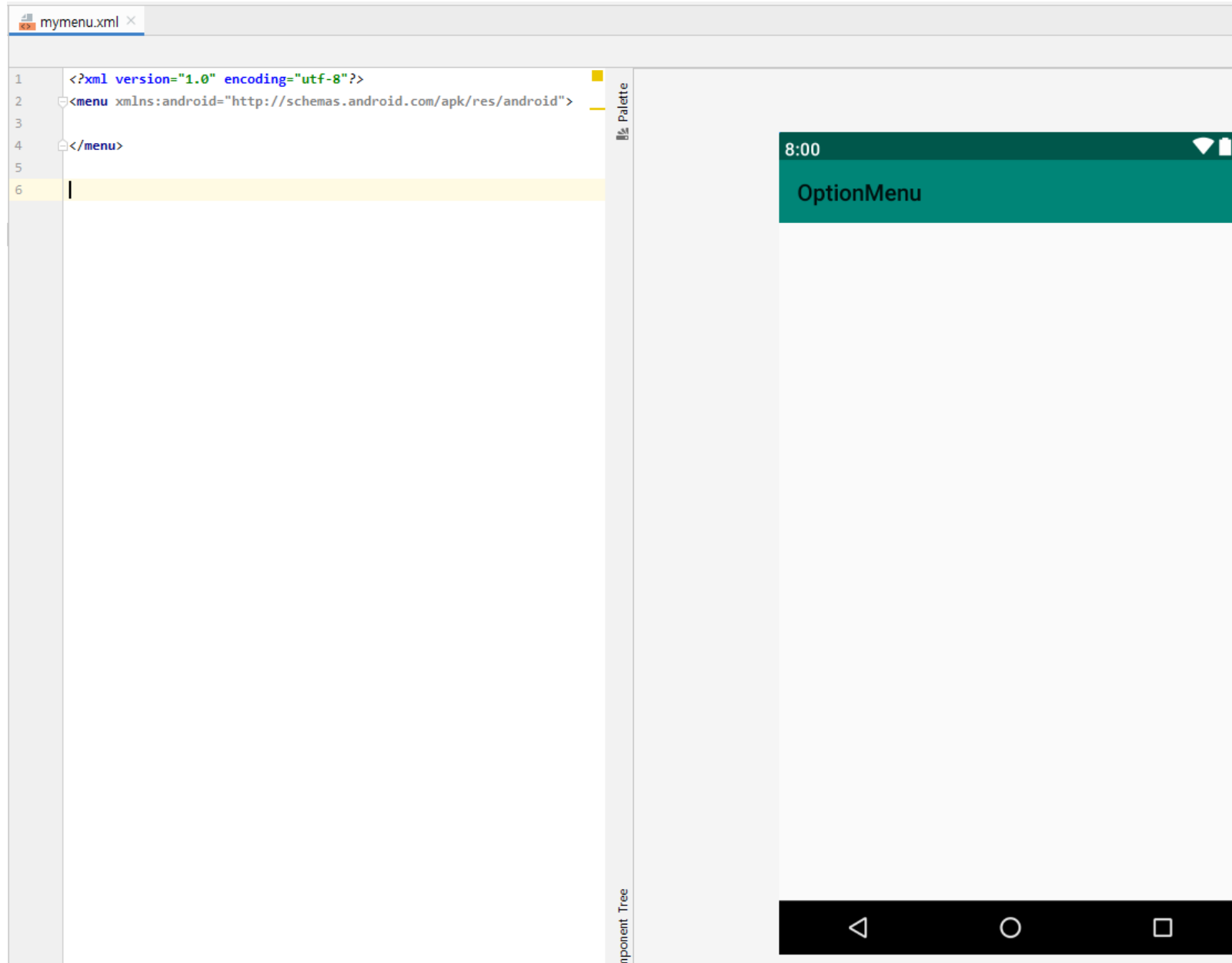


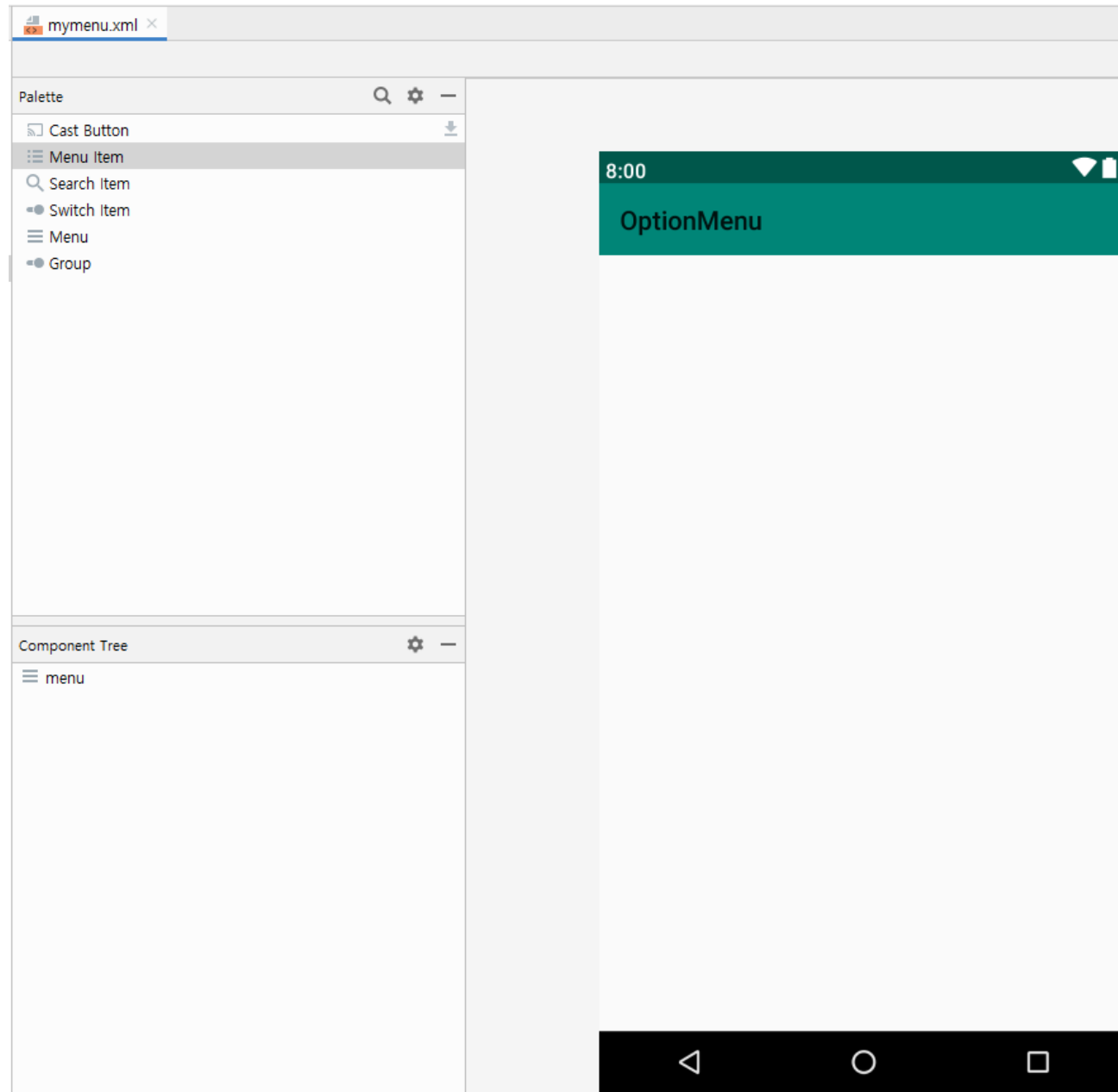
# OptionsMenu

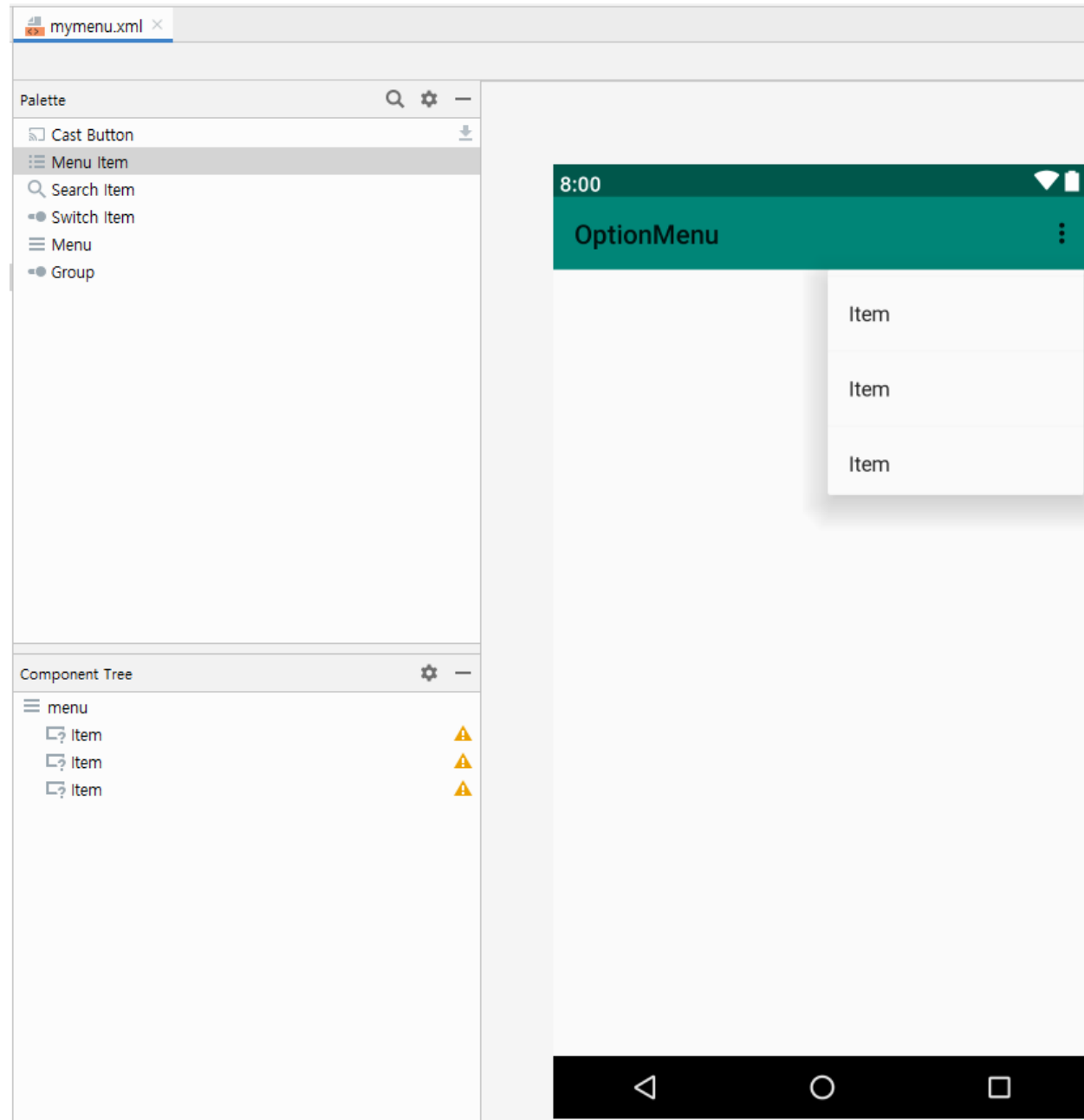












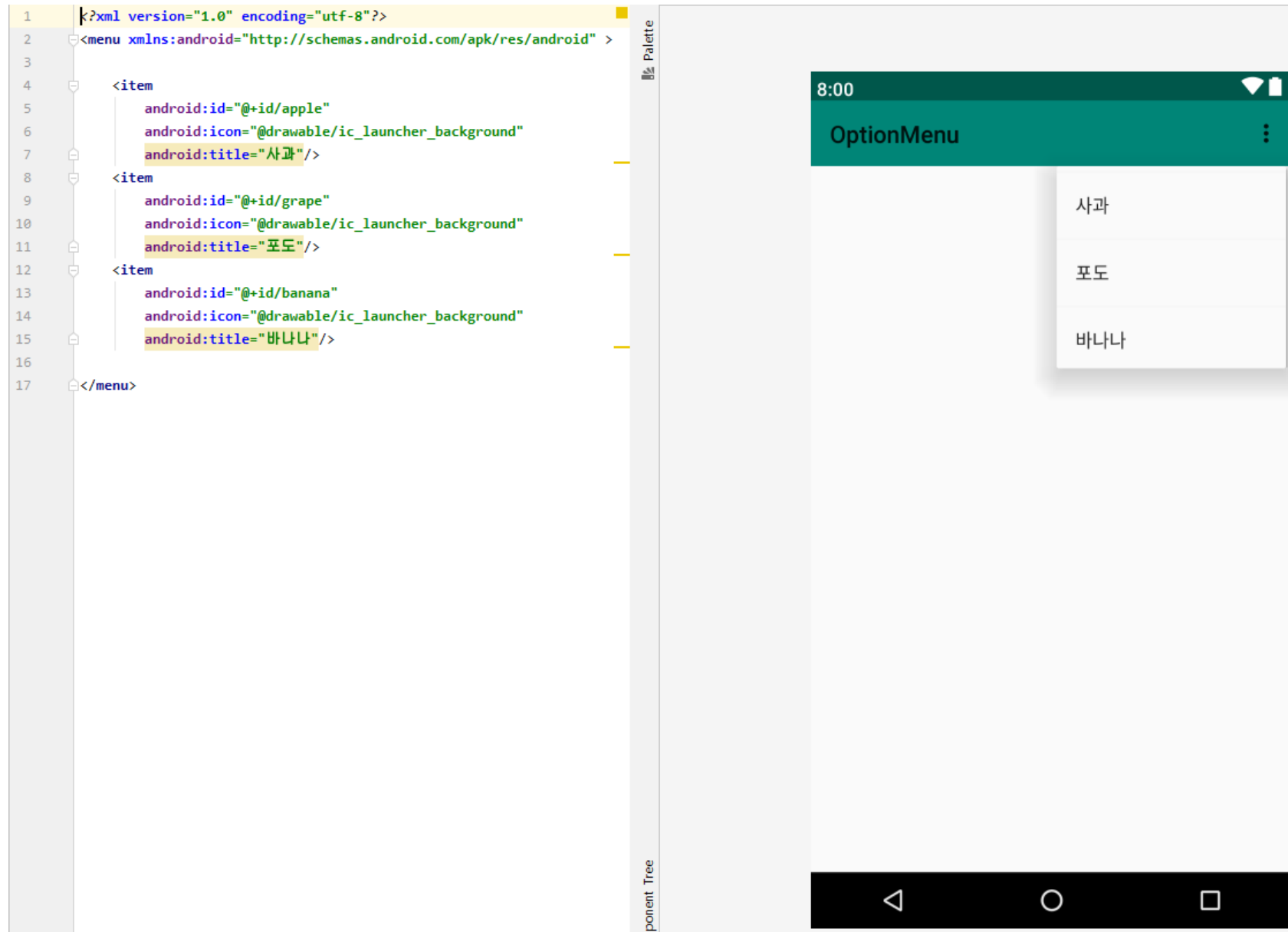


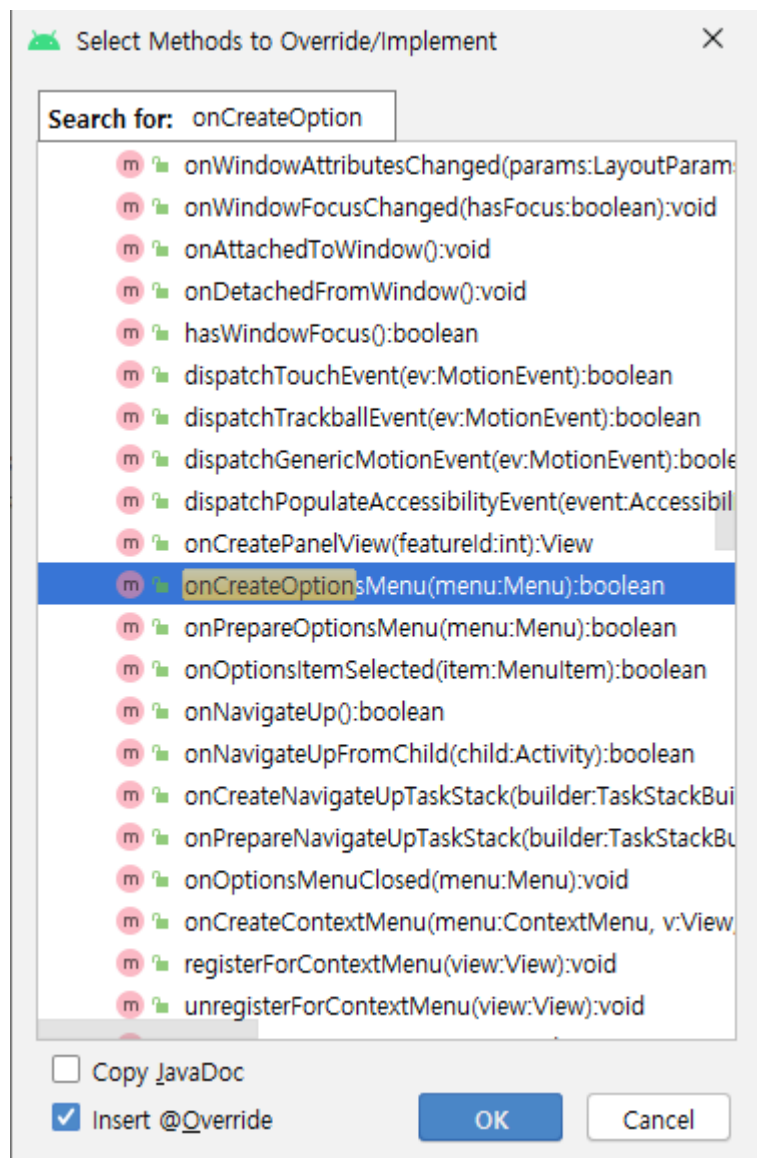
```
<item android:title="Item" />
```

```
<item android:title="Item" />
```

```
<item android:title="Item" />
```

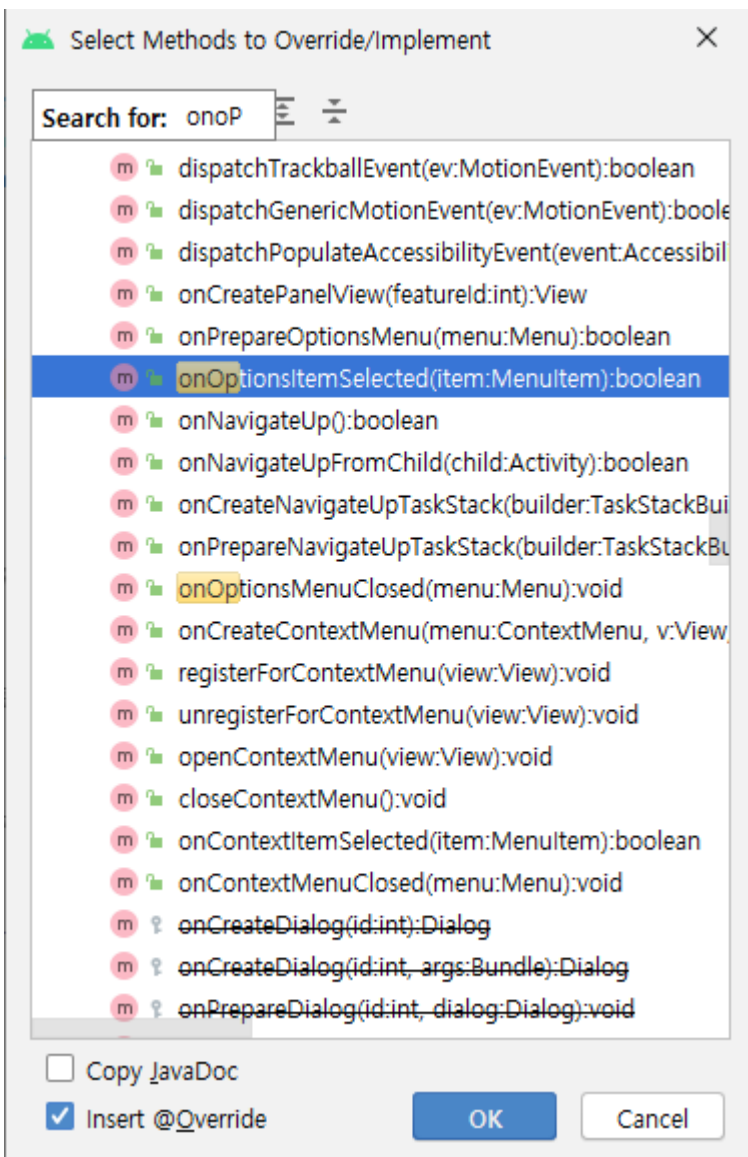
```
<item
    android:id="@+id/apple"
    android:icon="@drawable/ic_launcher_background"
    android:title="사과"/>
<item
    android:id="@+id/grape"
    android:icon="@drawable/ic_launcher_background"
    android:title="포도"/>
<item
    android:id="@+id/banana"
    android:icon="@drawable/ic_launcher_background"
    android:title="바나나"/>
```





```
@Override
public boolean onCreateOptionsMenu(Menu menu) {
    return super.onCreateOptionsMenu(menu);
}
```

```
@Override
public boolean onCreateOptionsMenu(Menu menu) {
    MenuInflater inflater = getMenuInflater();
    inflater.inflate(R.menu.mymenu, menu);
    return true;
}
```



@Override

```
public boolean onOptionsItemSelected(MenuItem item) {  
    return super.onOptionsItemSelected(item);  
}
```

@Override

```
public boolean onOptionsItemSelected(MenuItem item) {  
    switch (item.getItemId()) {  
        case R.id.apple:  
            Toast.makeText(getApplicationContext(), "사과", Toast.LENGTH_SHORT).show();  
            return true;  
        case R.id.grape:  
            Toast.makeText(getApplicationContext(), "포도", Toast.LENGTH_SHORT).show();  
            return true;  
        case R.id.banana:  
            Toast.makeText(getApplicationContext(), "바나나", Toast.LENGTH_SHORT).show();  
            return true;  
        default:  
            return super.onOptionsItemSelected(item);  
    }  
}
```

```
public class MainActivity extends AppCompatActivity {

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

    @Override
    public boolean onCreateOptionsMenu(Menu menu) {
        MenuInflater inflater = getMenuInflater();
        inflater.inflate(R.menu.mymenu, menu);
        return true;
    }

    @Override
    public boolean onOptionsItemSelected(MenuItem item) {
        switch (item.getItemId()) {
            case R.id.apple:
                Toast.makeText(getApplicationContext(), "사과", Toast.LENGTH_SHORT).show();
                return true;
            case R.id.grape:
                Toast.makeText(getApplicationContext(), "포도", Toast.LENGTH_SHORT).show();
                return true;
            case R.id.banana:
                Toast.makeText(getApplicationContext(), "바나나", Toast.LENGTH_SHORT).show();
                return true;
            default:
                return super.onOptionsItemSelected(item);
        }
    }
}
```

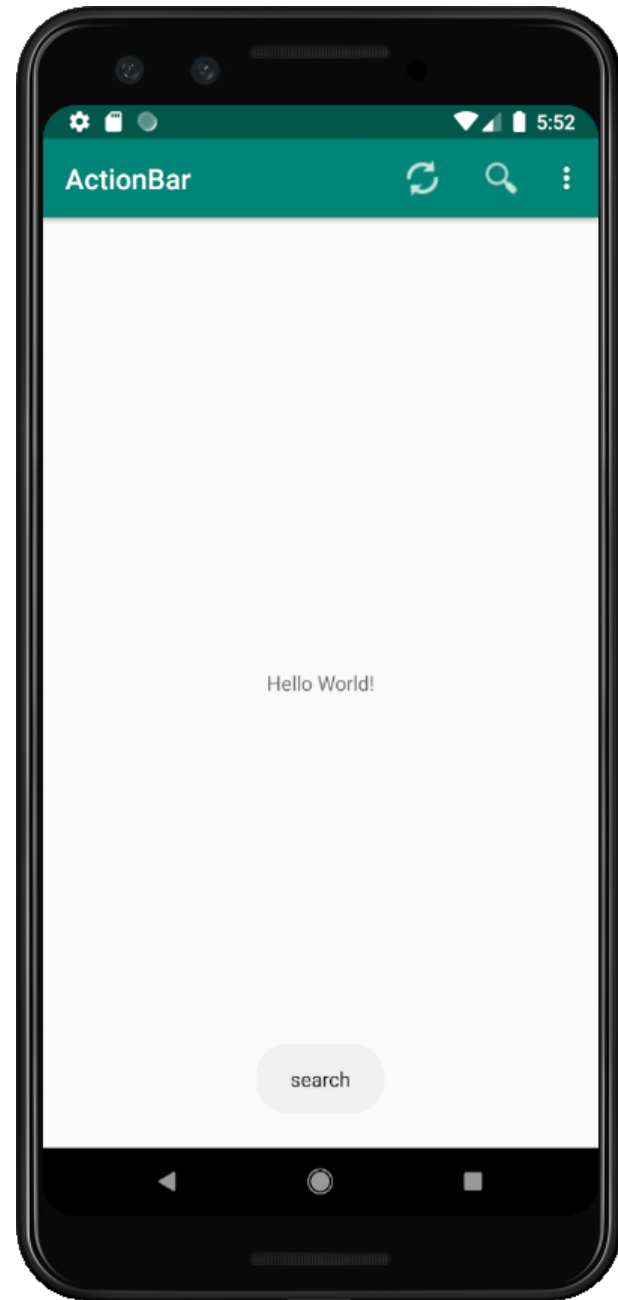
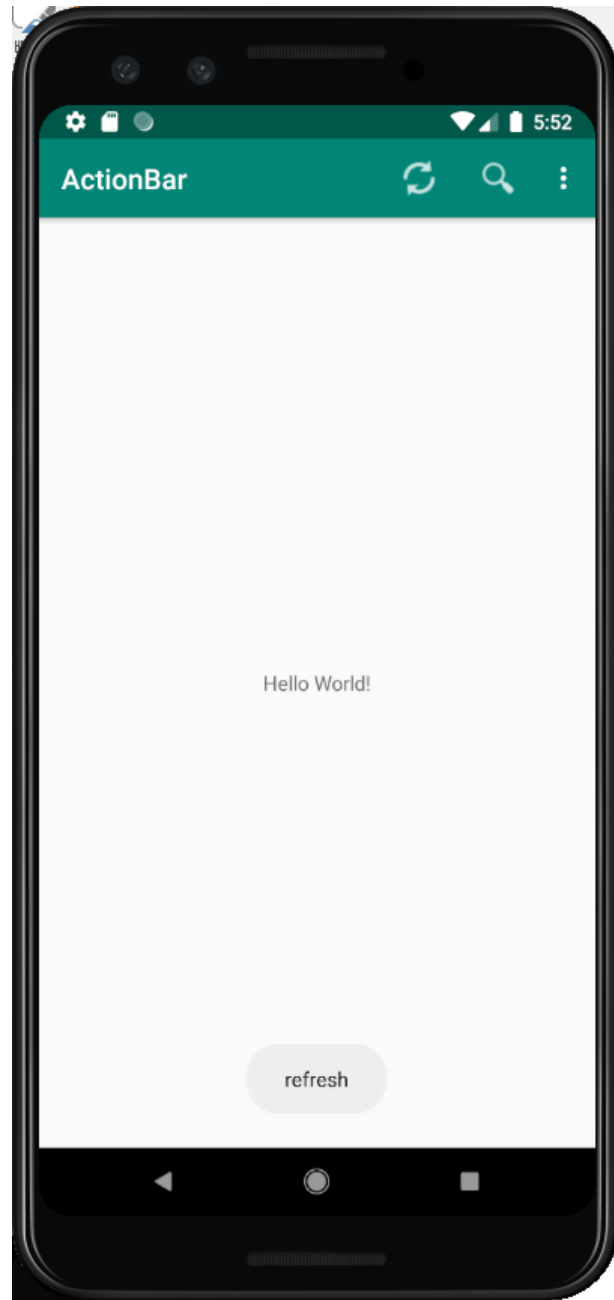
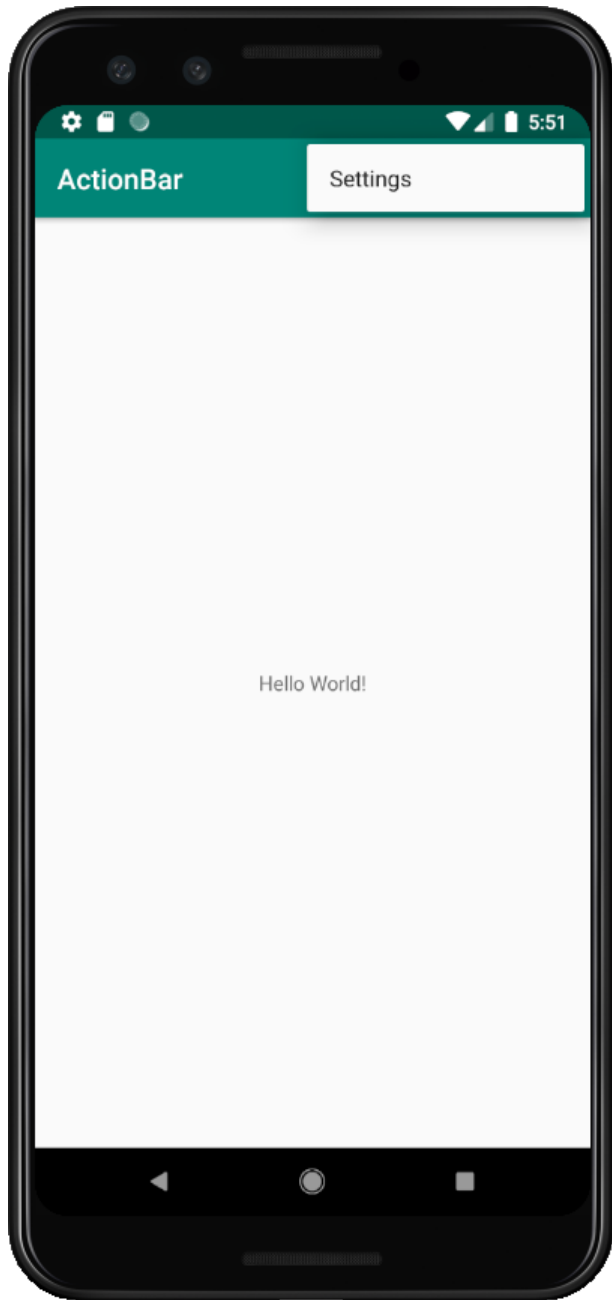
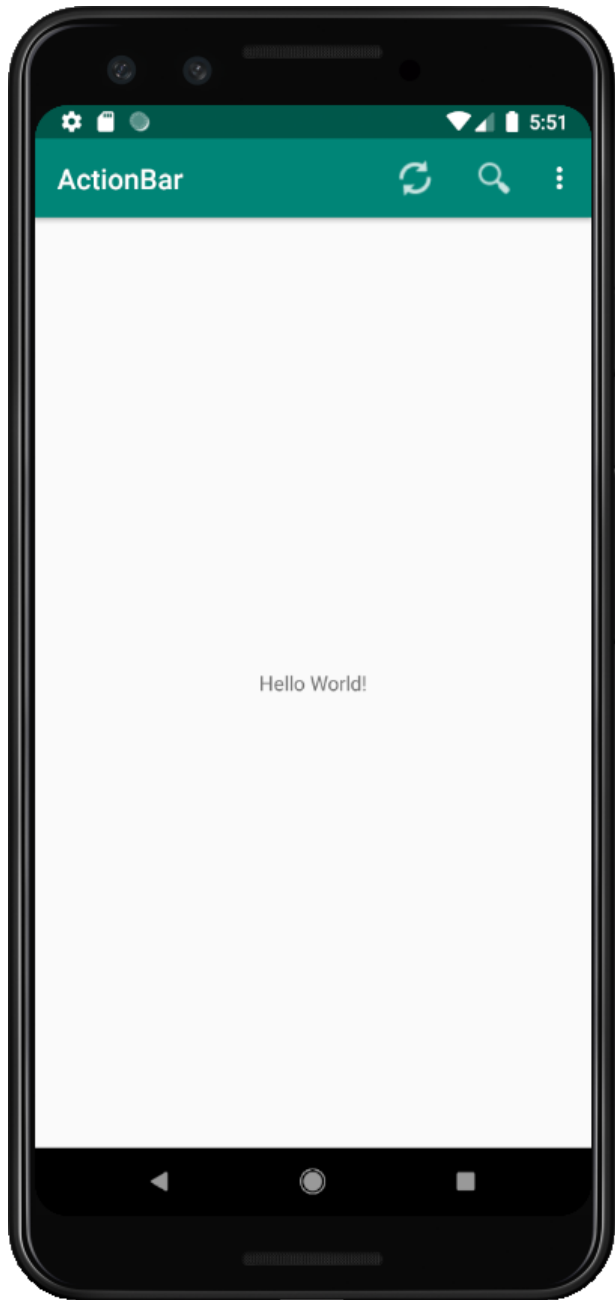
```
public class MainActivity extends AppCompatActivity {

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

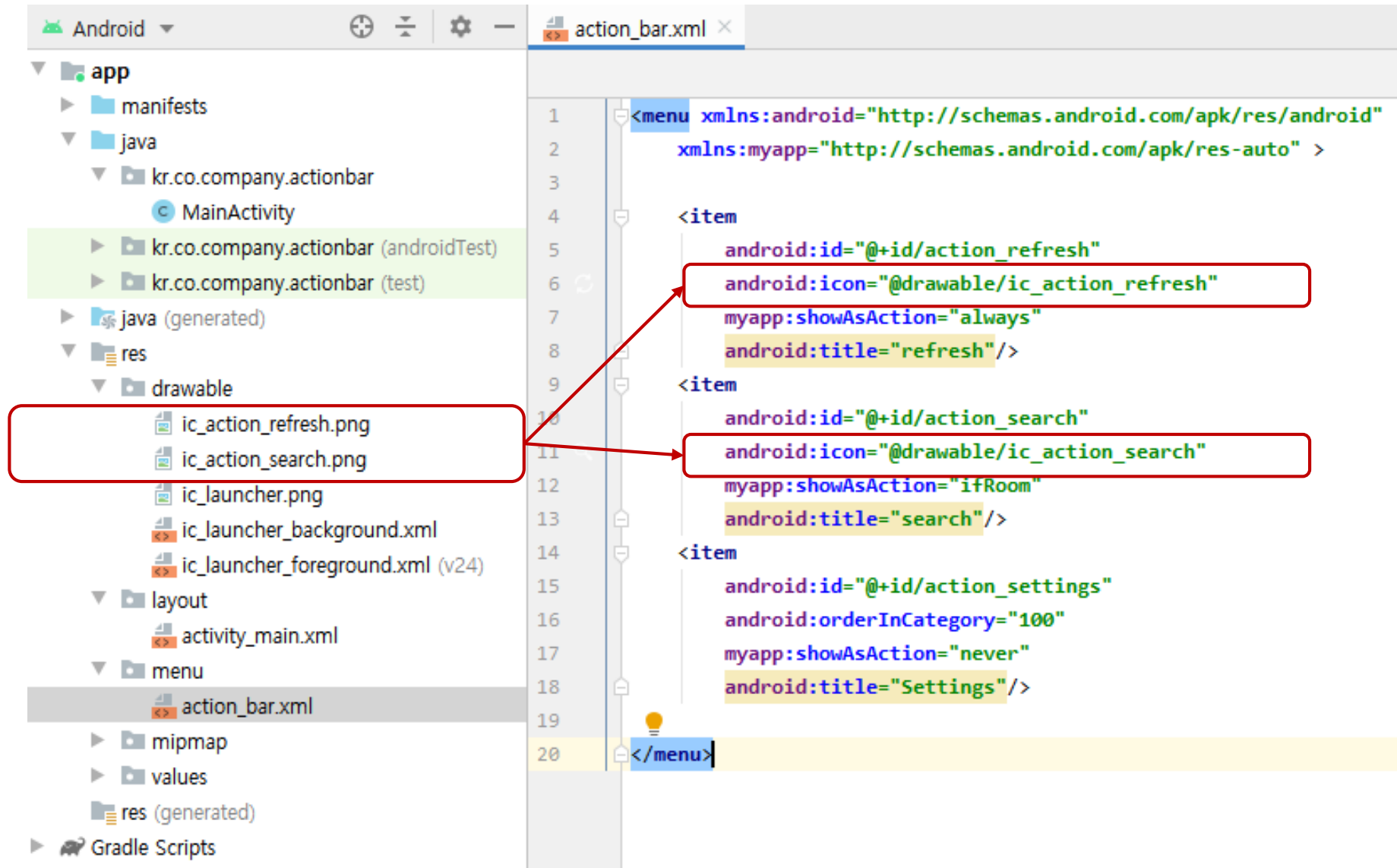
    @Override
    public boolean onCreateOptionsMenu(Menu menu) {
        MenuInflater inflater = getMenuInflater();
        inflater.inflate(R.menu.mymenu, menu);
        return true;
    }

    @Override
    public boolean onOptionsItemSelected(MenuItem item) {
        switch (item.getItemId()) {
            case R.id.apple:
                Toast.makeText(this, "사과", Toast.LENGTH_SHORT).show();
                return true;
            case R.id.grape:
                Toast.makeText(this, "포도", Toast.LENGTH_SHORT).show();
                return true;
            case R.id.banana:
                Toast.makeText(this, "바나나", Toast.LENGTH_SHORT).show();
                return true;
            default:
                return super.onOptionsItemSelected(item);
        }
    }
}
```

# ActionBar



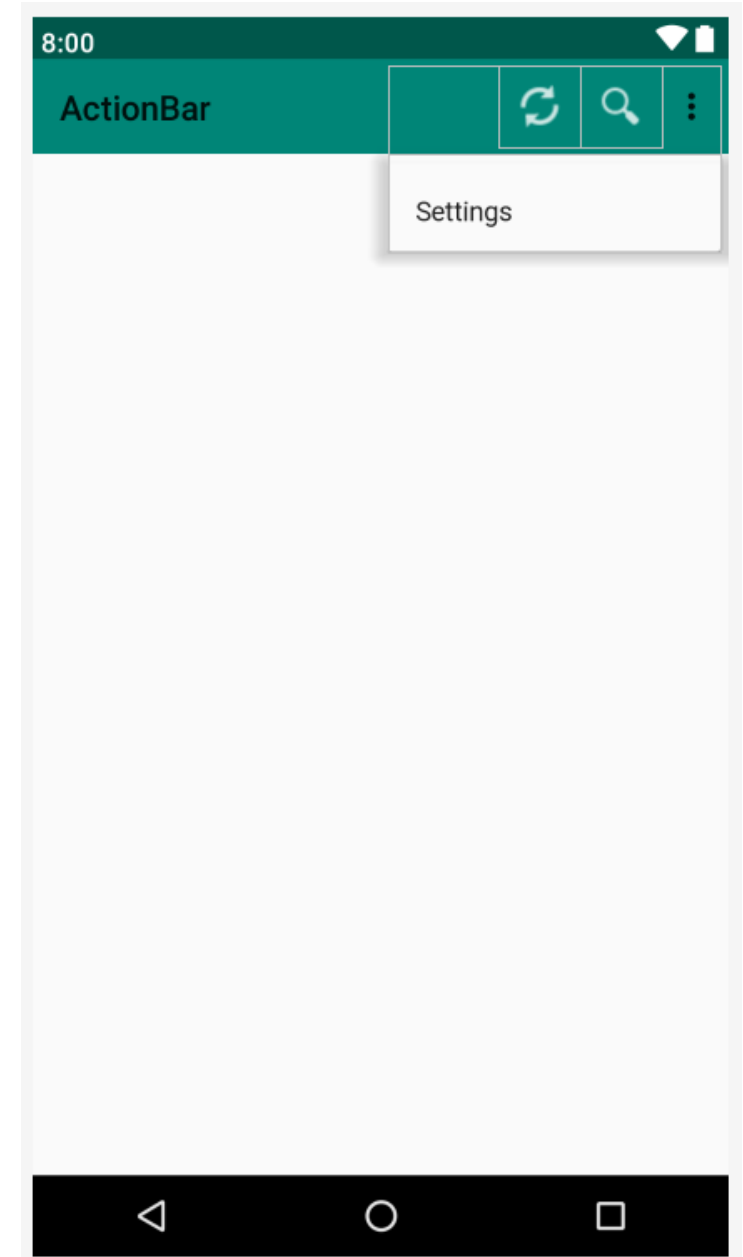


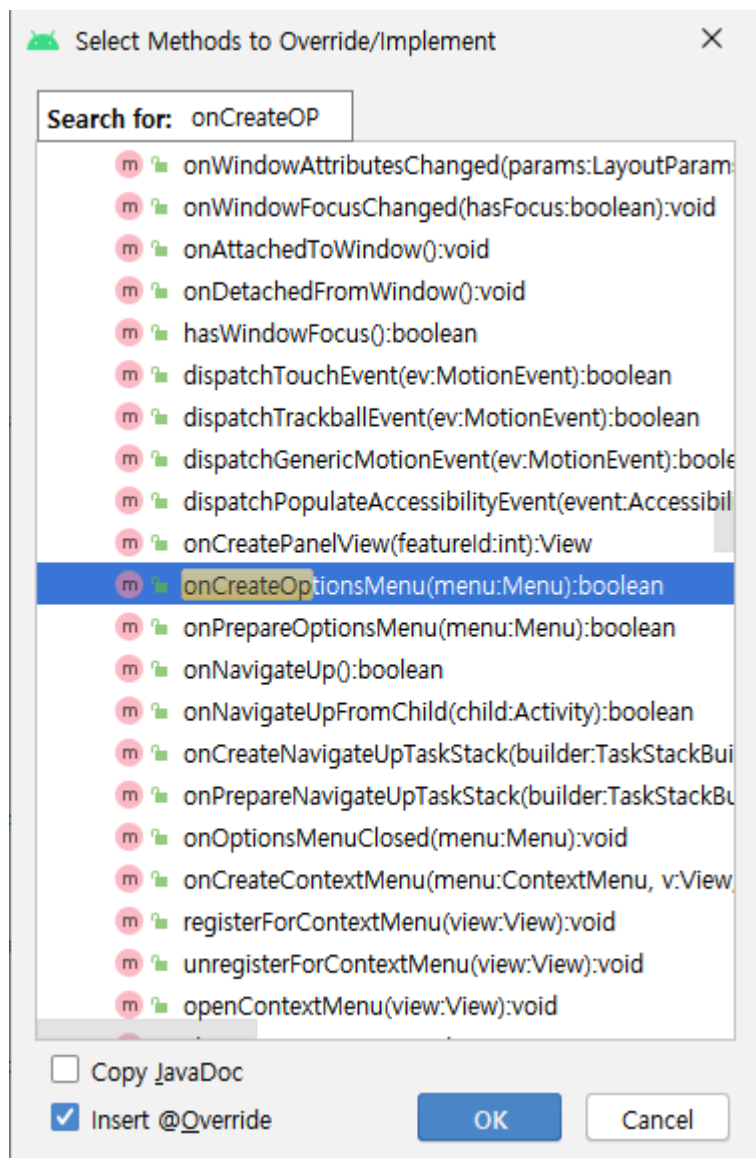


```
<menu xmlns:android="http://schemas.android.com/apk/res/android"
      xmlns:myapp="http://schemas.android.com/apk/res-auto" >

    <item
        android:id="@+id/action_refresh"
        android:icon="@drawable/ic_action_refresh"
        myapp:showAsAction="always"
        android:title="refresh"/>
    <item
        android:id="@+id/action_search"
        android:icon="@drawable/ic_action_search"
        myapp:showAsAction="ifRoom"
        android:title="search"/>
    <item
        android:id="@+id/action_settings"
        android:orderInCategory="100"
        myapp:showAsAction="never"
        android:title="Settings"/>

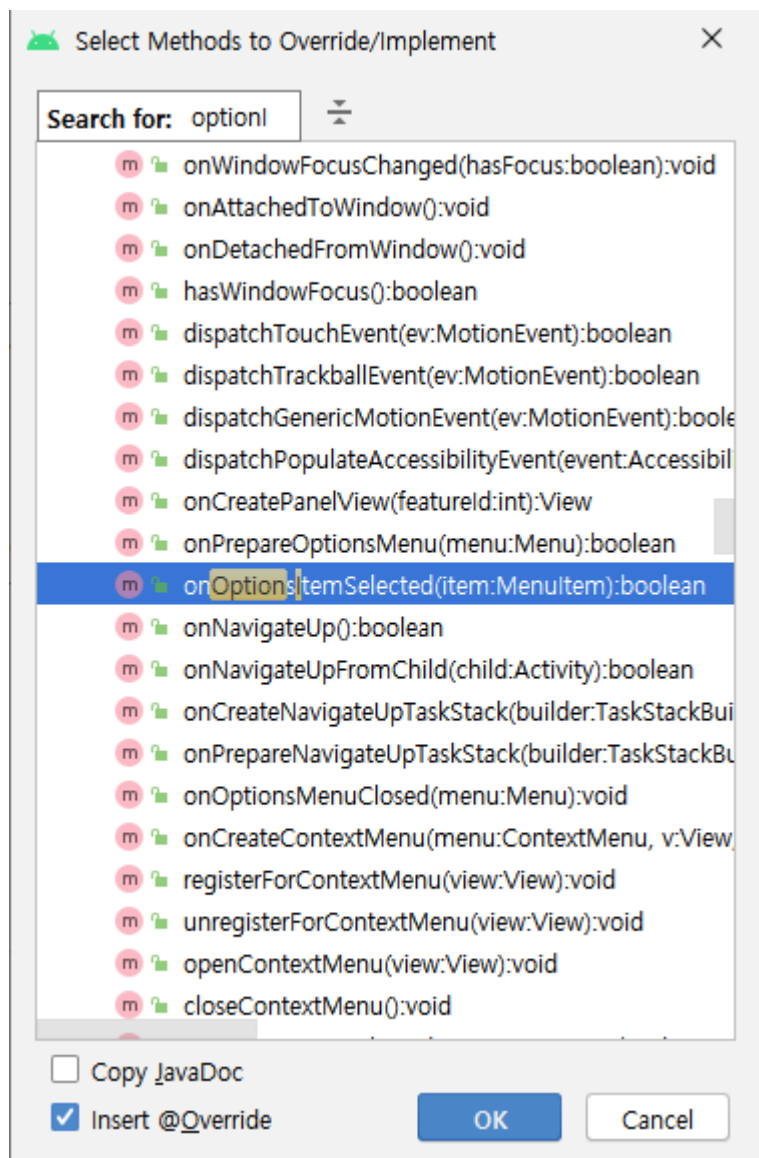
</menu>
```





```
@Override
public boolean onCreateOptionsMenu(Menu menu) {
    return super.onCreateOptionsMenu(menu);
}
```

```
@Override
public boolean onCreateOptionsMenu(Menu menu) {
    // 메뉴 리소스를 팡창한다. 액션바에 항목들을 추가한다.
    getMenuInflater().inflate(R.menu.action_bar, menu);
    return super.onCreateOptionsMenu(menu);
}
```



```
@Override
public boolean onOptionsItemSelected(MenuItem item) {
    return super.onOptionsItemSelected(item);
}
```

```
<item
    android:id="@+id/action_refresh"
    android:icon="@drawable/ic_action_refresh"
    myapp:showAsAction="always"
    android:title="refresh"/>
```

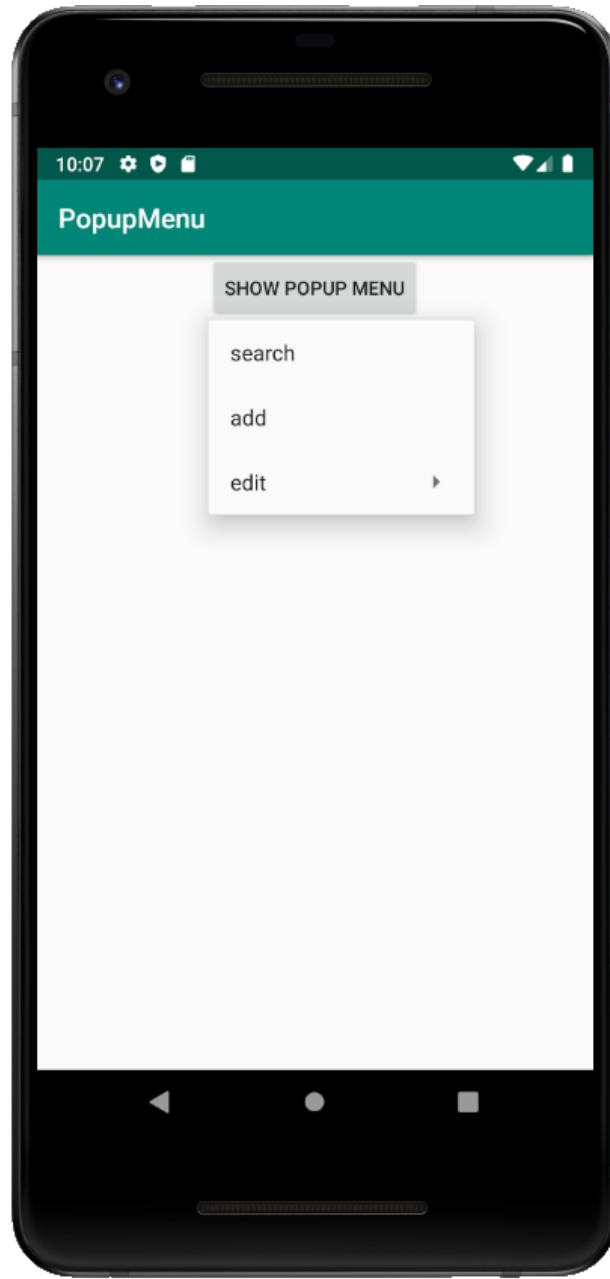
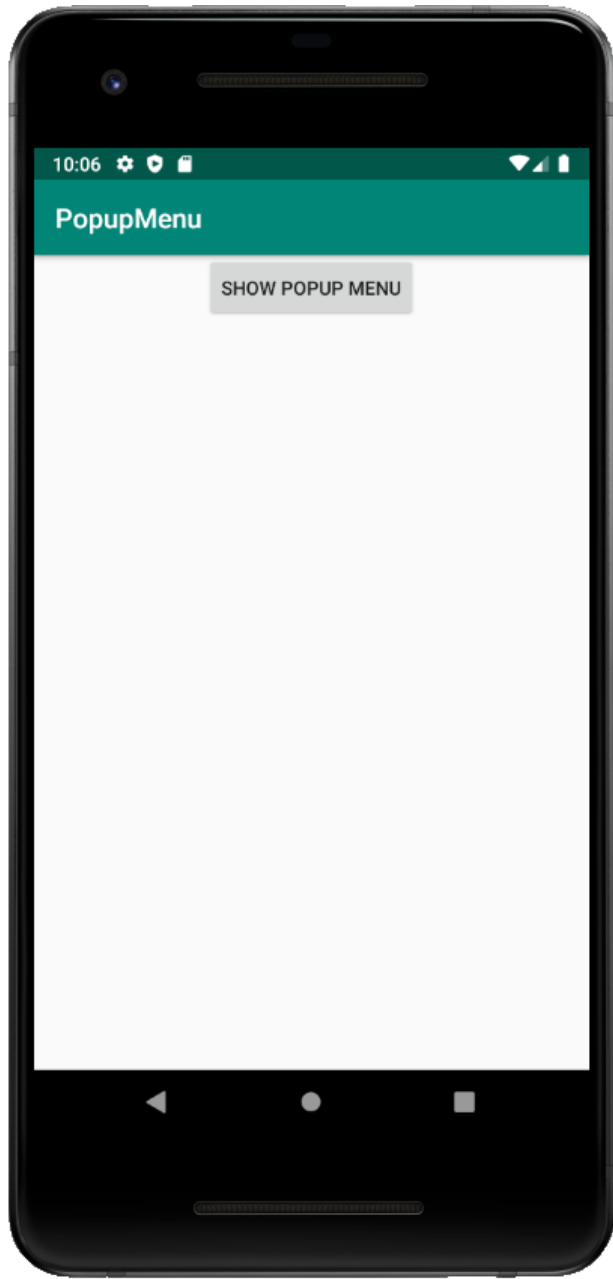
```
<item
    android:id="@+id/action_search"
    android:icon="@drawable/ic_action_search"
    myapp:showAsAction="ifRoom"
    android:title="search"/>
```

```
<item
    android:id="@+id/action_settings"
    android:orderInCategory="100"
    myapp:showAsAction="never"
    android:title="Settings"/>
```

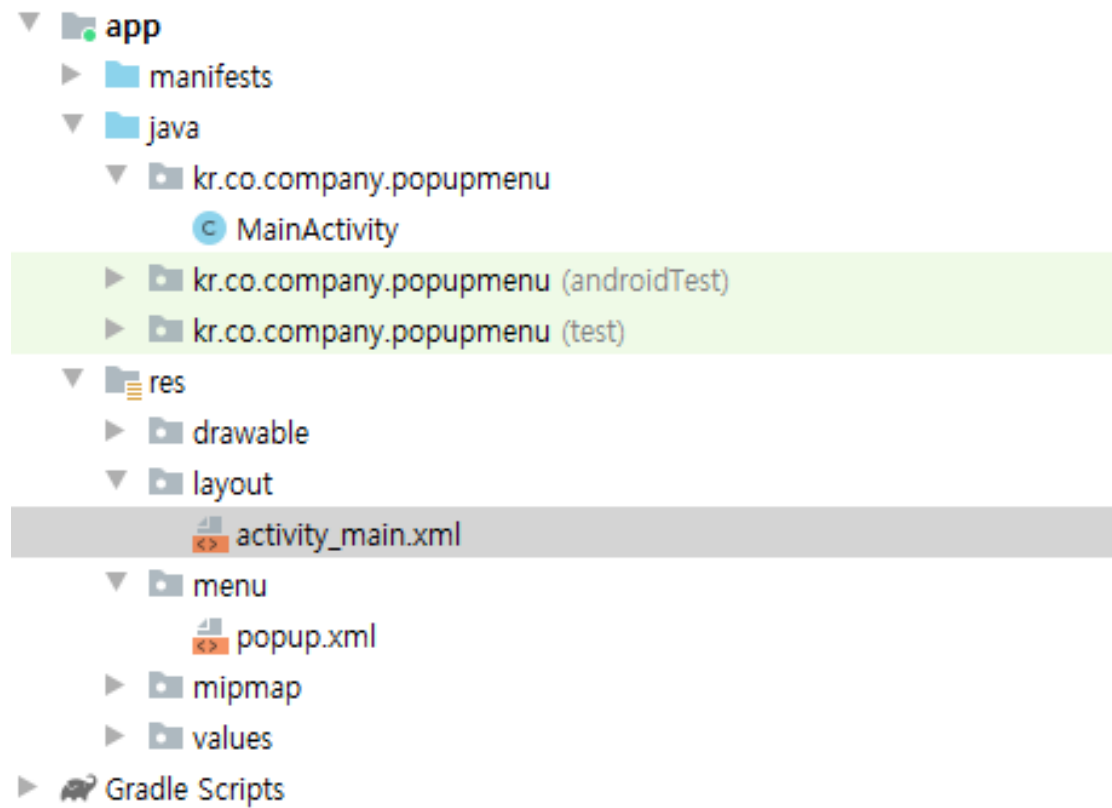
```
@Override
public boolean onOptionsItemSelected(MenuItem item) {
    // 액션바의 항목들이 클릭되면 이벤트를 처리한다.
    switch (item.getItemId()) {
        case R.id.action_refresh:
            Toast.makeText(this, "refresh", Toast.LENGTH_SHORT).show();
            return true;
        case R.id.action_search:
            Toast.makeText(this, "search", Toast.LENGTH_SHORT).show();
            return true;
        case R.id.action_settings:
            Toast.makeText(this, "settings", Toast.LENGTH_SHORT).show();
            return true;
        default:
            return super.onOptionsItemSelected(item);
    }
}
```

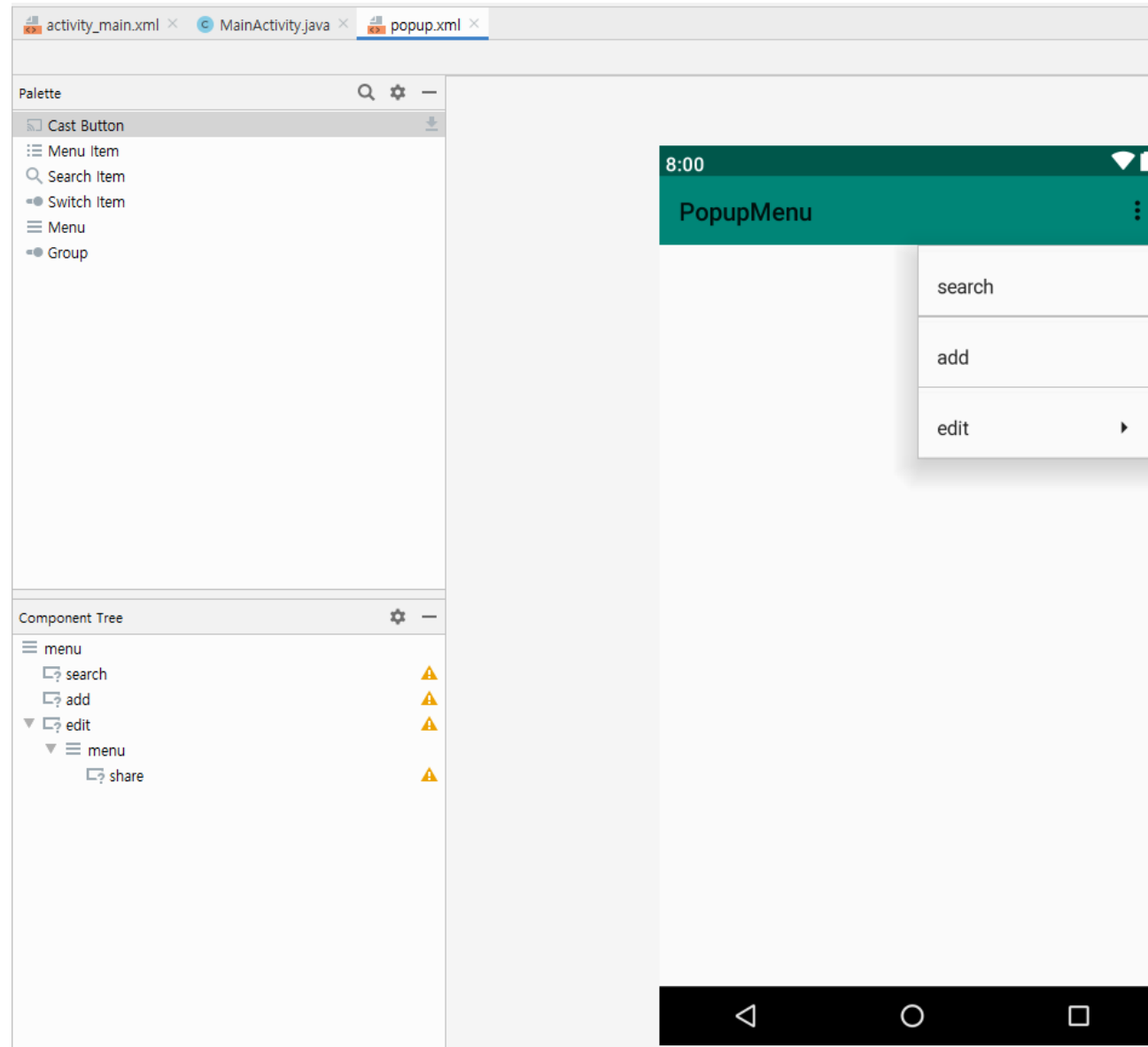
```
public class MainActivity extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
    }
    @Override
    public boolean onCreateOptionsMenu(Menu menu) {
        getMenuInflater().inflate(R.menu.action_bar, menu);
        return super.onCreateOptionsMenu(menu);
    }
    @Override
    public boolean onOptionsItemSelected(MenuItem item) {
        switch (item.getItemId()) {
            case R.id.action_refresh:
                Toast.makeText(this, "refresh", Toast.LENGTH_SHORT).show();
                return true;
            case R.id.action_search:
                Toast.makeText(this, "search", Toast.LENGTH_SHORT).show();
                return true;
            case R.id.action_settings:
                Toast.makeText(this, "settings", Toast.LENGTH_SHORT).show();
                return true;
            default:
                return super.onOptionsItemSelected(item);
        }
    }
}
```

**PopUp**





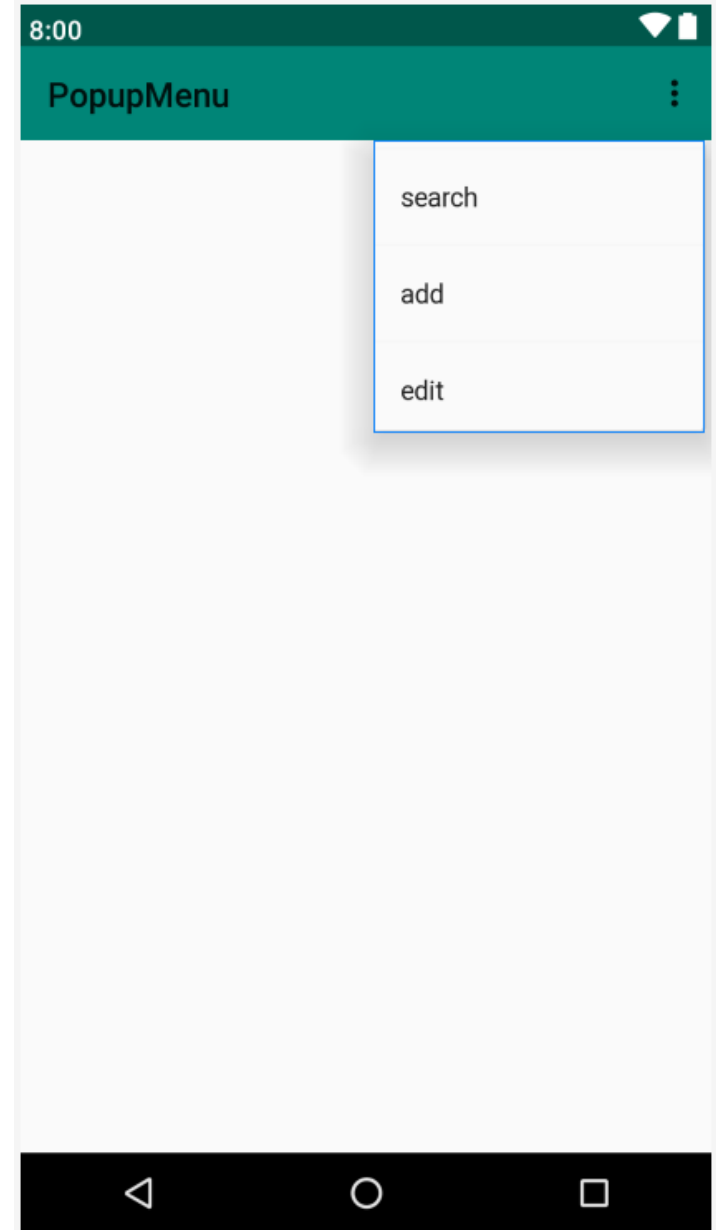


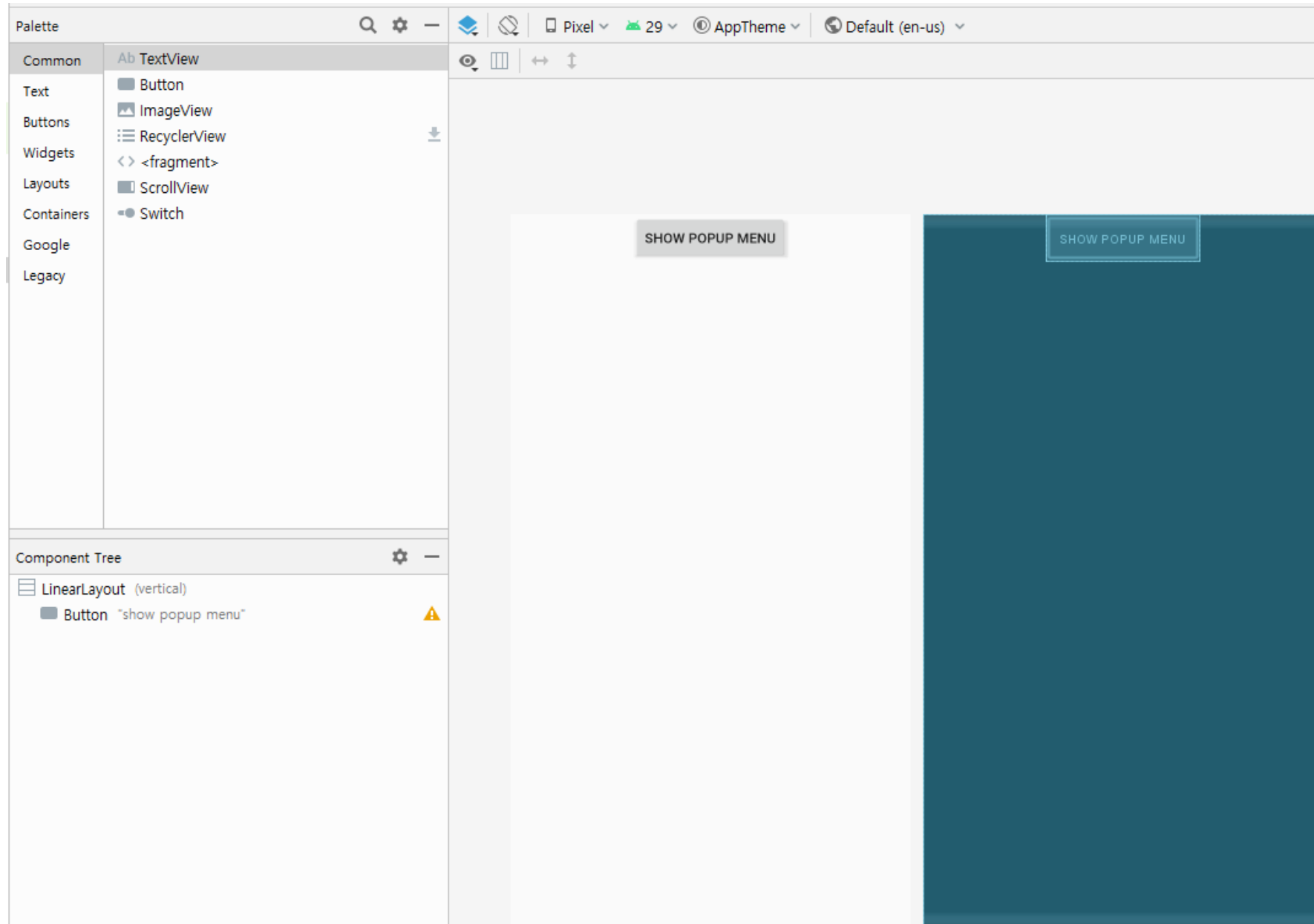


```
<?xml version="1.0" encoding="utf-8"?>
<menu xmlns:android="http://schemas.android.com/apk/res/android" >

    <item
        android:id="@+id/search"
        android:icon="@android:drawable/ic_menu_search"
        android:title="search"/>
    <item
        android:id="@+id/add"
        android:icon="@android:drawable/ic_menu_add"
        android:title="add"/>
    <item
        android:id="@+id/edit"
        android:icon="@android:drawable/ic_menu_edit"
        android:title="edit" />

</menu>
```

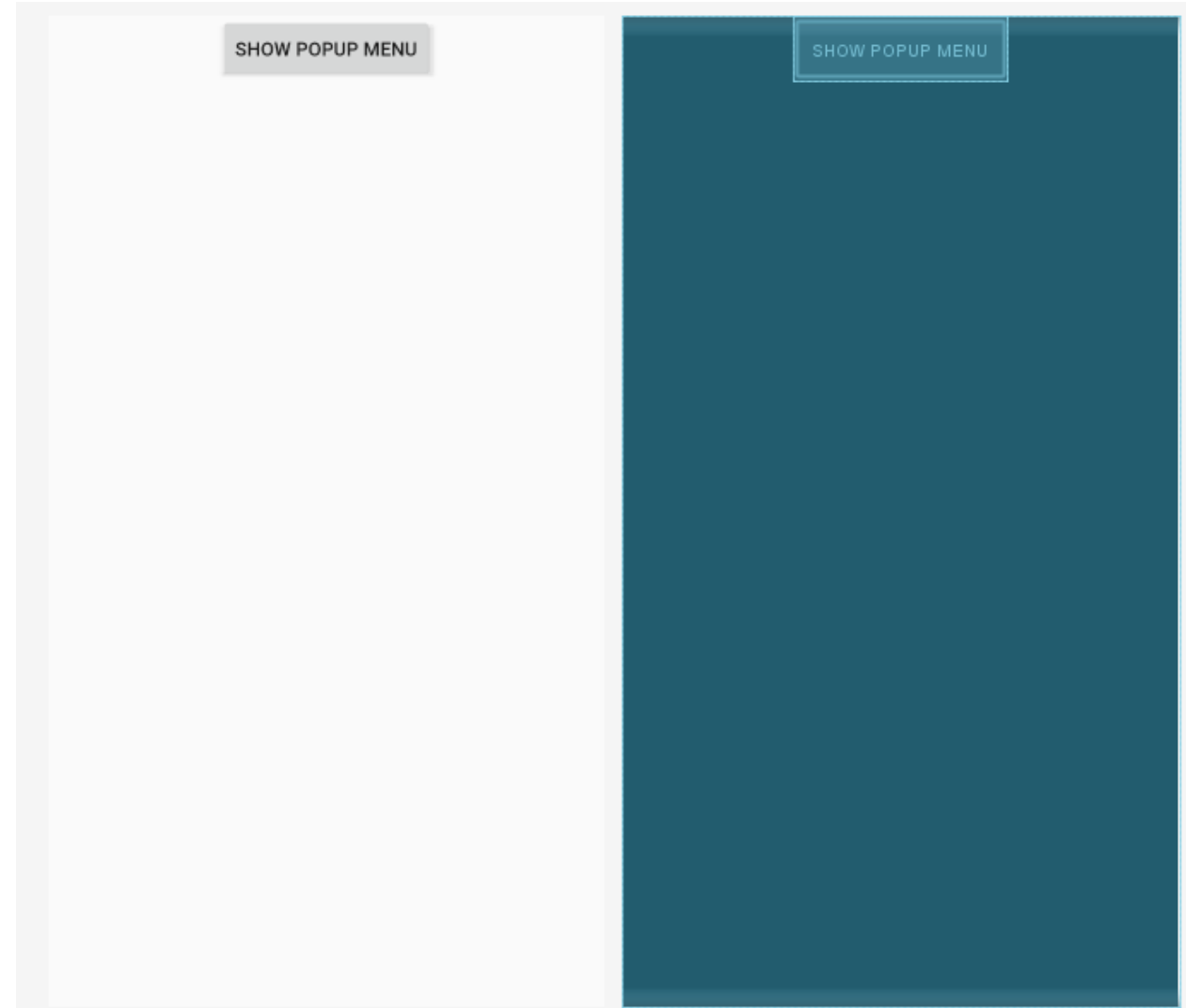




```
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical">

    <Button android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_gravity="center"
        android:onClick="onClick"
        android:text="show popup menu" />

</LinearLayout>
```



```
<Button android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_gravity="center"  
    android:onClick="onClick"  
    android:text="show popup menu" />
```



```
public void onClick(View button) {  
    PopupMenu popup = new PopupMenu(this, button);  
    popup.getMenuInflater().inflate(R.menu.popup, popup.getMenu());  
  
    popup.setOnMenuItemClickListener(new PopupMenu.OnMenuItemClickListener() {  
        @Override  
        public boolean onMenuItemClick(MenuItem menuItem) {  
            return false;  
        }  
    });  
  
    popup.show();  
}
```

```
popup.setOnMenuItemClickListener(new PopupMenu.OnMenuItemClickListener() {  
    @Override  
    public boolean onMenuItemClick(MenuItem menuItem) {  
        return false;  
    }  
});
```



```
popup.setOnMenuItemClickListener(new PopupMenu.OnMenuItemClickListener() {  
    @Override  
    public boolean onMenuItemClick(MenuItem menuItem) {  
        Toast.makeText(getApplicationContext(), "클릭된 팝업 메뉴: " +  
            menuItem.getTitle(), Toast.LENGTH_SHORT).show();  
        return true;  
    }  
});
```

```
public class MainActivity extends AppCompatActivity {

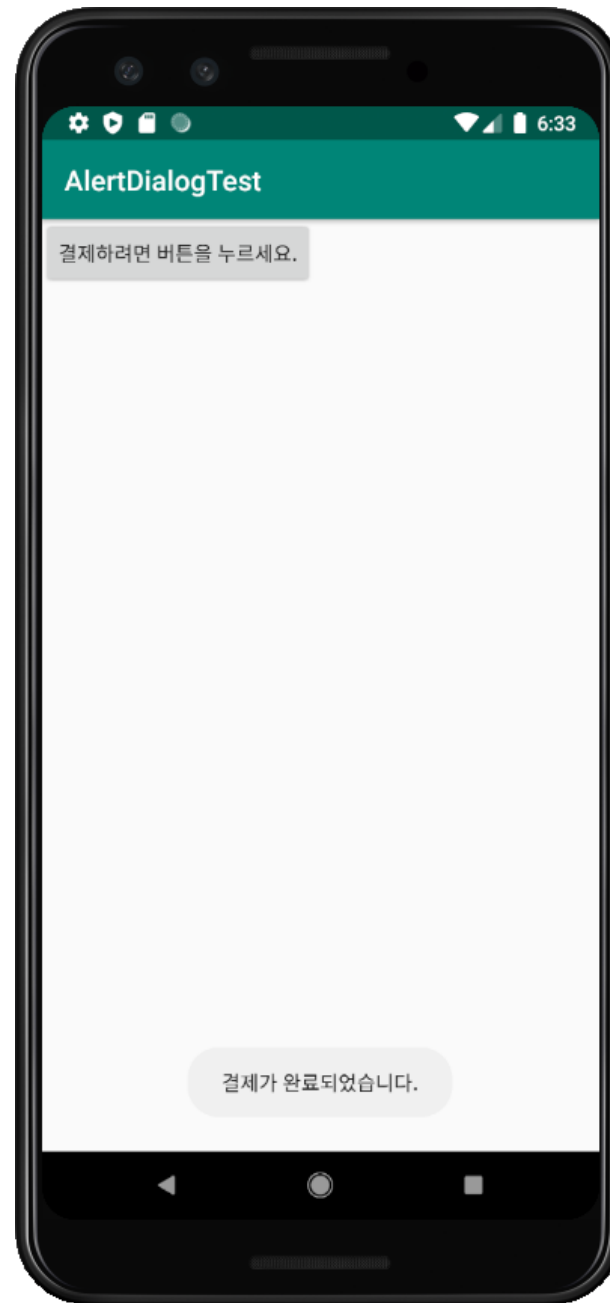
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
    }

    public void onClick(View button) {
        PopupMenu popup = new PopupMenu(this, button);
        popup.getMenuInflater().inflate(R.menu.popup, popup.getMenu());

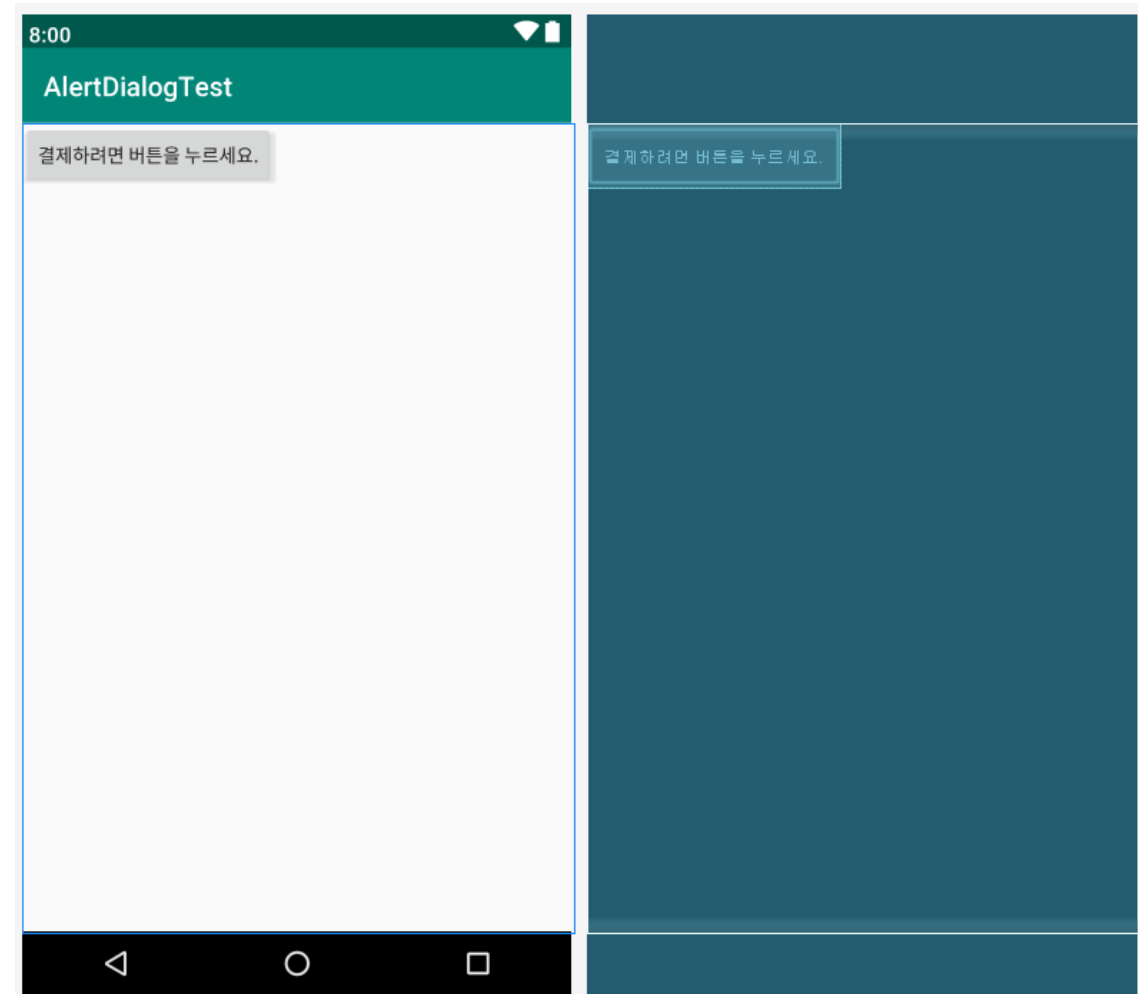
        popup.setOnMenuItemClickListener(new PopupMenu.OnMenuItemClickListener() {
            @Override
            public boolean onMenuItemClick(MenuItem menuItem) {
                Toast.makeText(getApplicationContext(), "클릭된 팝업 메뉴: " + menuItem.getTitle(), Toast.LENGTH_SHORT).show();
                return true;
            }
        });
        popup.show();
    }
}
```



# **AlertDialog**



```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    android:orientation="vertical"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    >
    <Button
        android:text="결제하려면 버튼을 누르세요."
        android:id="@+id/btn_alert"
        android:onClick="onBtnAlert"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content">
    </Button>
</LinearLayout>
```



```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    android:orientation="vertical"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    >
    <Button
        android:text="결제하려면 버튼을 누르세요."
        android:id="@+id/btn_alert"
        android:onClick="onBtnAlert"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content">
    </Button>
</LinearLayout>
```



```
public class MainActivity extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
    }

    public void onBtnAlert(View view){
    }
}
```

```
public void onBtnAlert(View view){
    AlertDialog.Builder alertDialogBuilder = new AlertDialog.Builder( this );
    alertDialogBuilder.setMessage("결제하시겠습니까?");
    alertDialogBuilder.setPositiveButton("yes", new DialogInterface.OnClickListener() {
        @Override
        public void onClick(DialogInterface dialog, int which) {
            Toast.makeText(getApplicationContext(), "결제가 완료되었습니다.", Toast.LENGTH_LONG).show();
        }
    });
}
```

```
public void onBtnAlert(View view){
    alertDialogBuilder.setNegativeButton("No",new DialogInterface.OnClickListener() {
        @Override
        public void onClick(DialogInterface dialog, int which) {
            Toast.makeText(getApplicationContext(), "결제가 취소되었습니다.",Toast.LENGTH_LONG).show();
            finish();
        }
    });

    AlertDialog alertDialog = alertDialogBuilder.create();
    alertDialog.show();
}
```

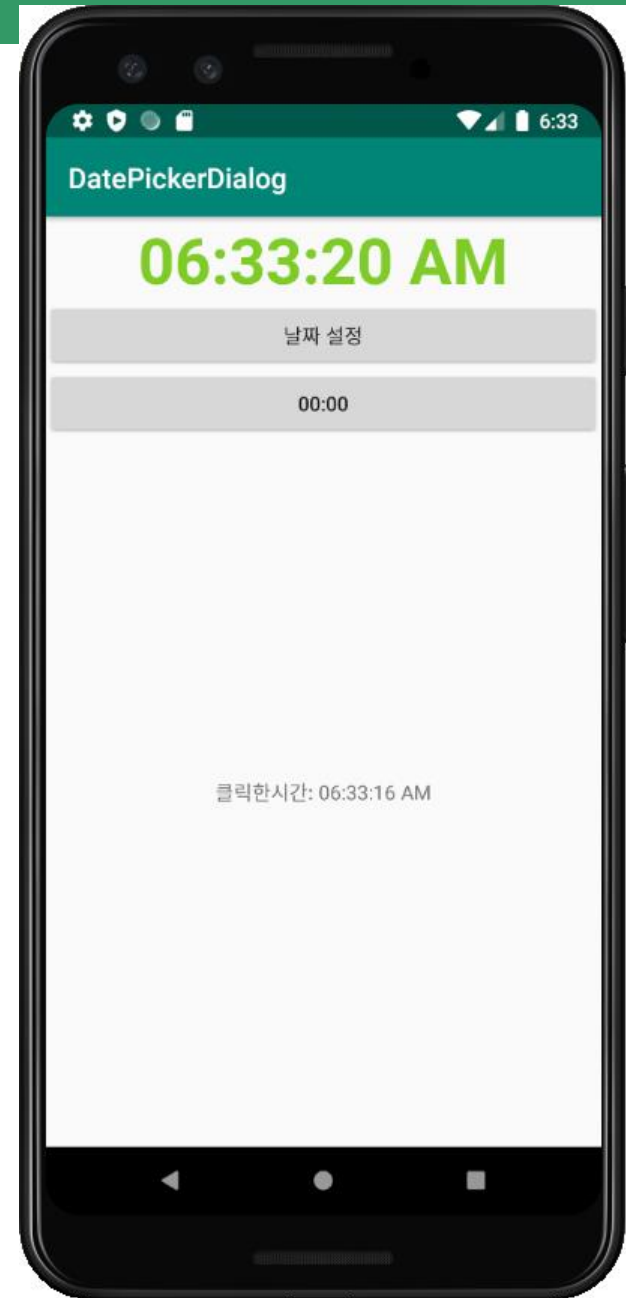
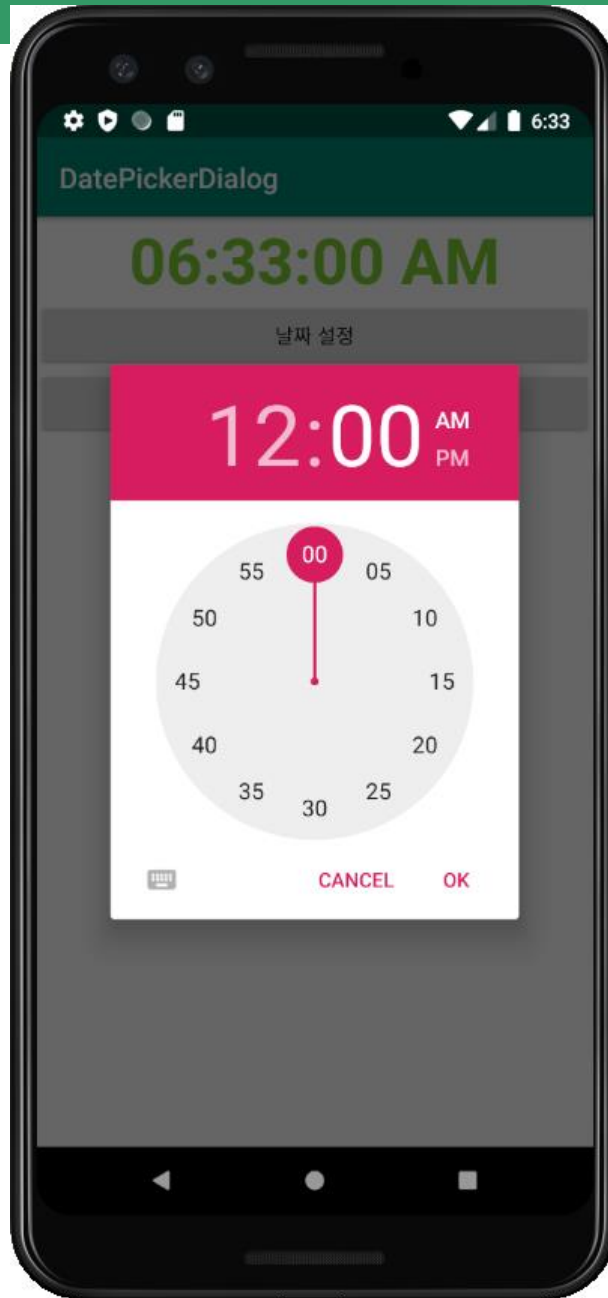
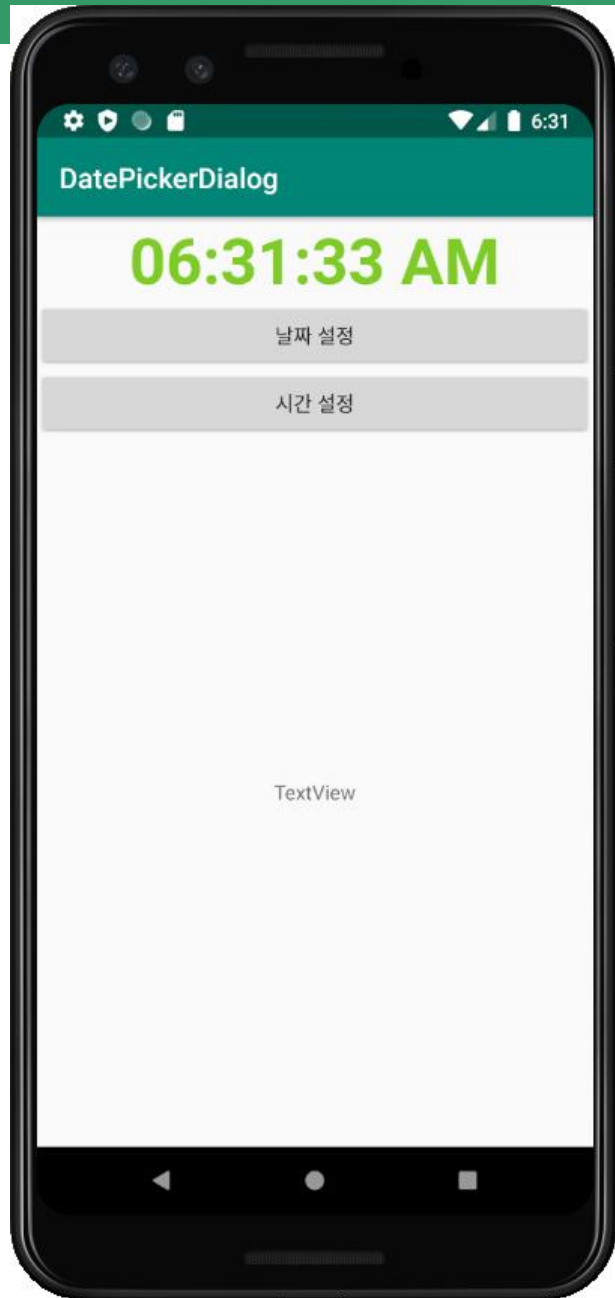
```
public void onBtnAlert(View view){
    AlertDialog.Builder alertDialogBuilder = new AlertDialog.Builder( this );
    alertDialogBuilder.setMessage("결제하시겠습니까?");
    alertDialogBuilder.setPositiveButton("yes", new DialogInterface.OnClickListener() {
        @Override
        public void onClick(DialogInterface dialog, int which) {
            Toast.makeText(getApplicationContext(), "결제가 완료되었습니다.", Toast.LENGTH_LONG).show();
        }
    });

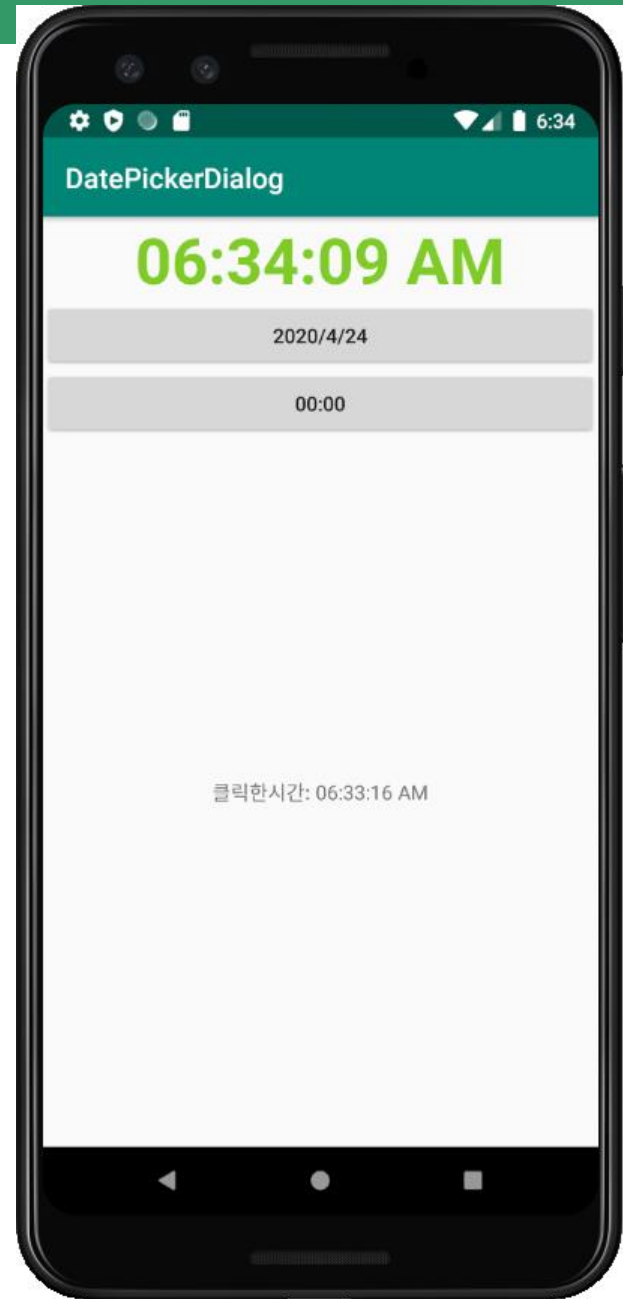
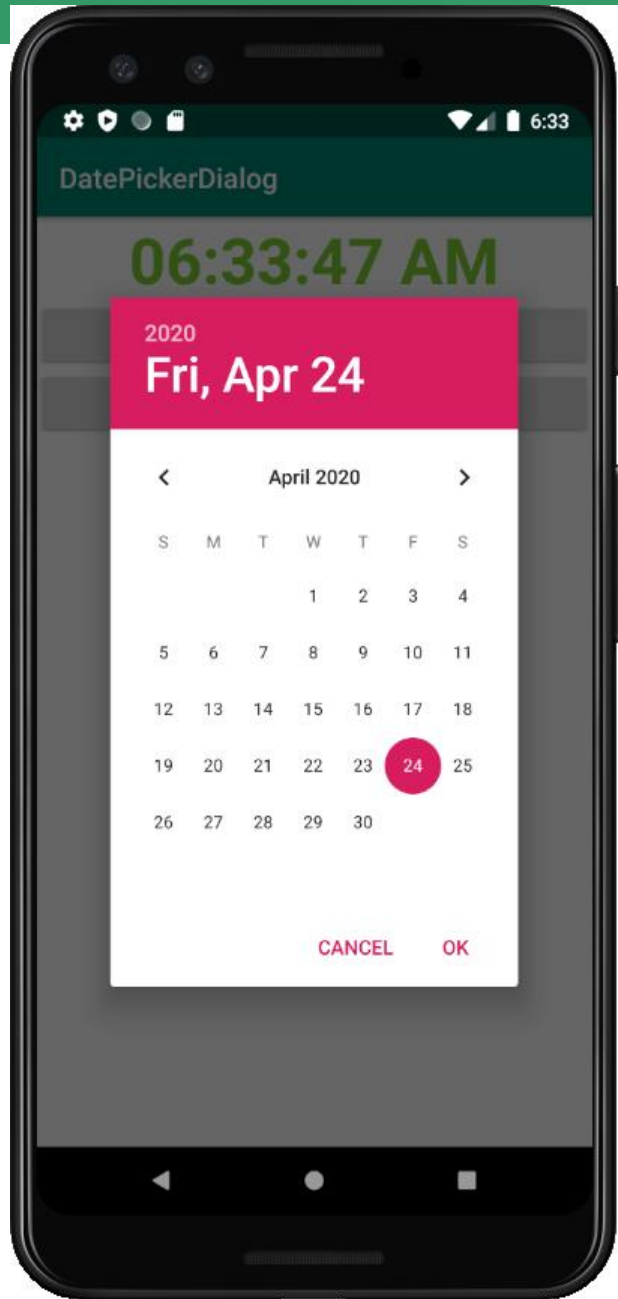
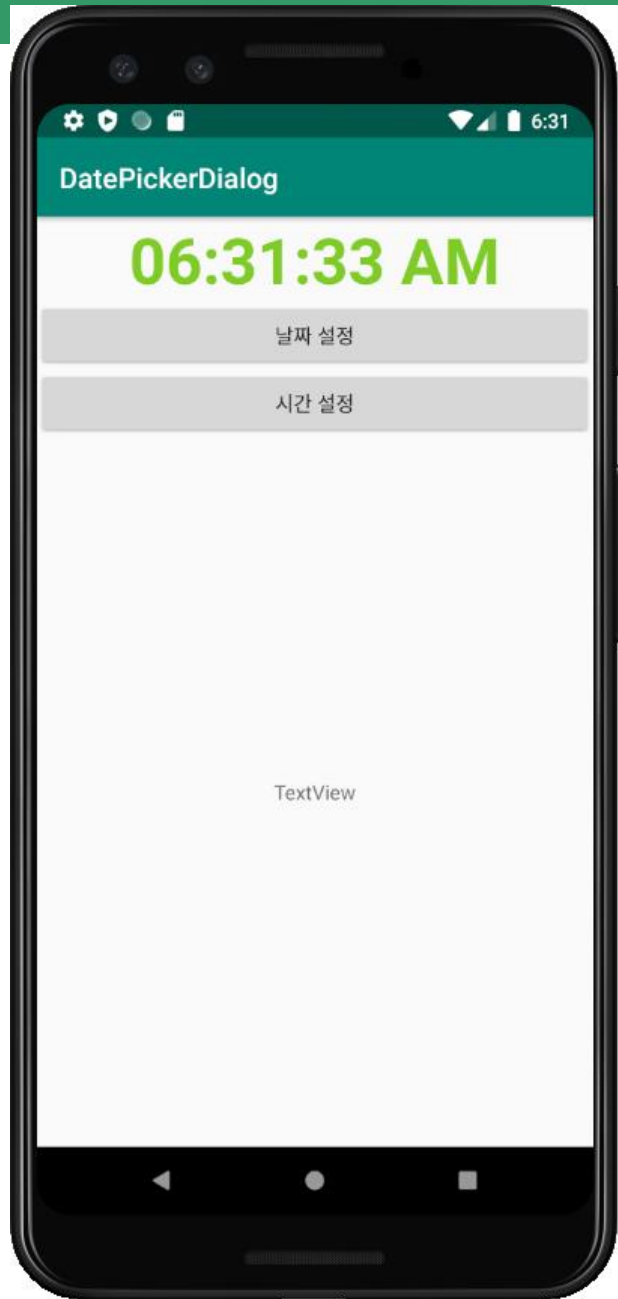
    alertDialogBuilder.setNegativeButton("No", new DialogInterface.OnClickListener() {
        @Override
        public void onClick(DialogInterface dialog, int which) {
            Toast.makeText(getApplicationContext(), "결제가 취소되었습니다.", Toast.LENGTH_LONG).show();
            finish();
        }
    });

    AlertDialog alertDialog = alertDialogBuilder.create();
    alertDialog.show();
}
```

**DatePickerDialog**  
**TextClock**







```
<LinearLayout 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:orientation="vertical" >
```

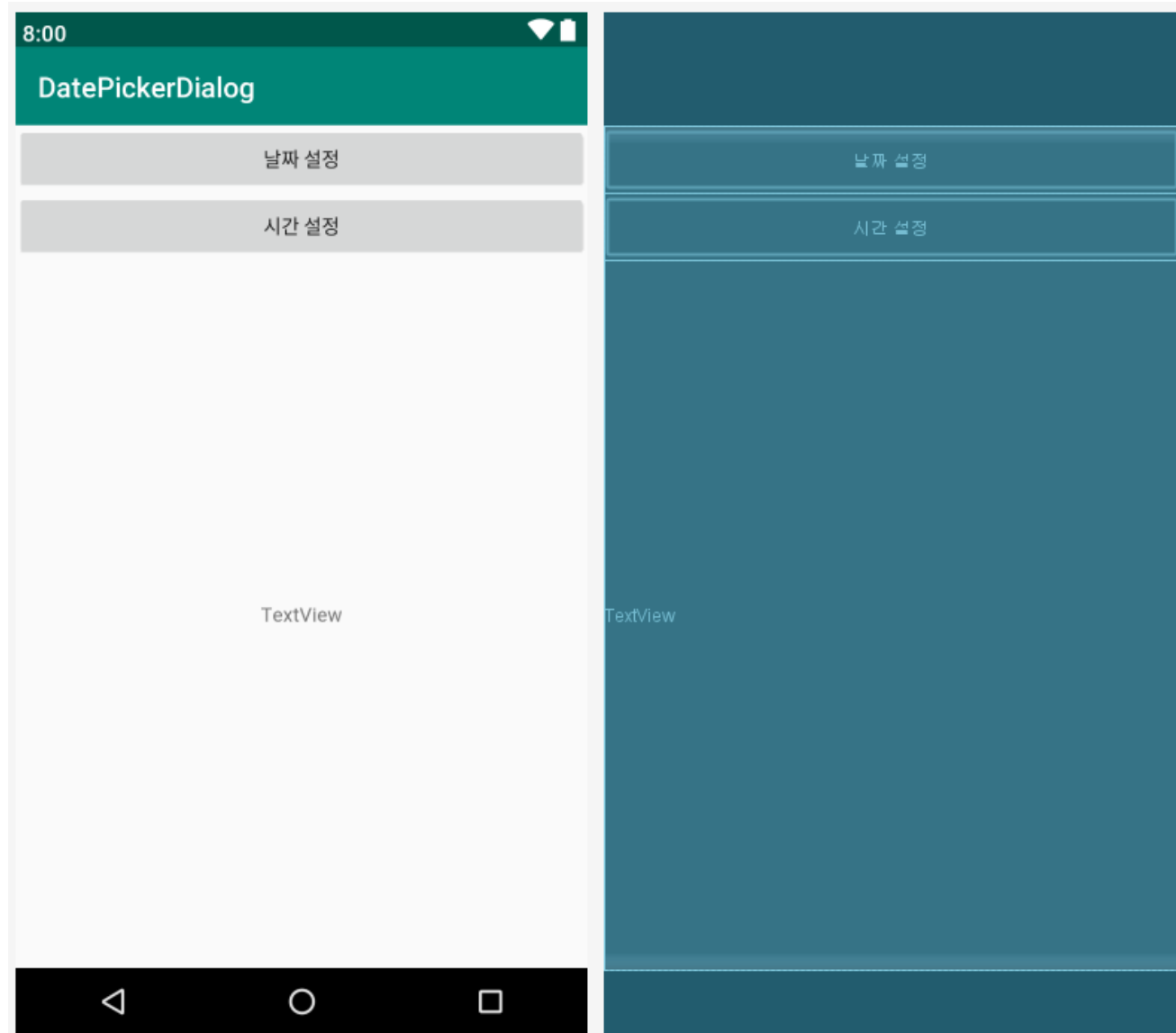
```
<TextClock
    android:id="@+id/textClock"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:gravity="center"
    android:textColor="#80CC28"
    android:textSize="45dp"
    android:textStyle="bold"
    android:format12Hour="hh:mm:ss a" />
```

```
<Button
    android:id="@+id/btnSelectDate"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:onClick="onClick"
    android:text="날짜 설정" />
```

```
<Button
    android:id="@+id/btnSelectTime"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:onClick="onClick"
    android:text="시간 설정" />
```

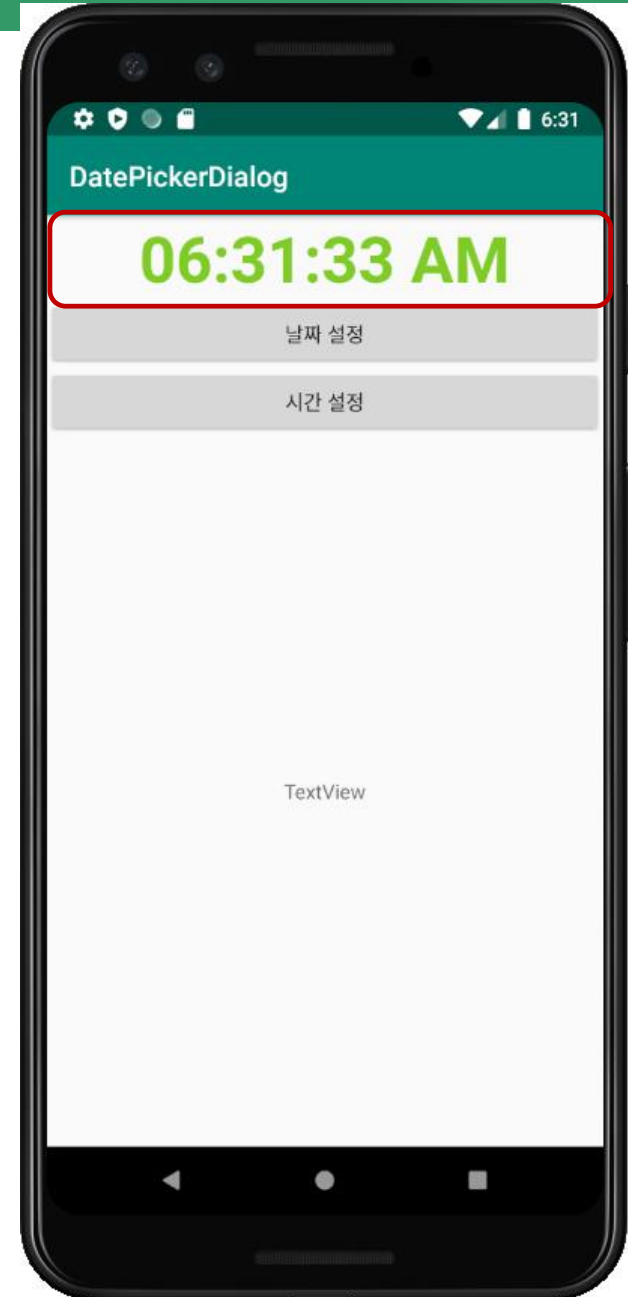
```
<TextView
    android:id="@+id/textView"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_weight="1"
    android:gravity="center_vertical|center_horizontal"
    android:text="TextView" />
```

```
</LinearLayout>
```



## <TextClock

```
android:id="@+id/textClock"  
android:layout_width="match_parent"  
android:layout_height="wrap_content"  
android:gravity="center"  
android:textColor="#80CC28"  
android:textSize="45dp"  
android:textStyle="bold"  
android:format12Hour="hh:mm:ss a" />
```



## &lt;Button

```

    android:id="@+id/btnSelectDate"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:onClick="onClick"
    android:text="날짜 설정" />

```

## &lt;Button

```

    android:id="@+id/btnSelectTime"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:onClick="onClick"
    android:text="시간 설정" />

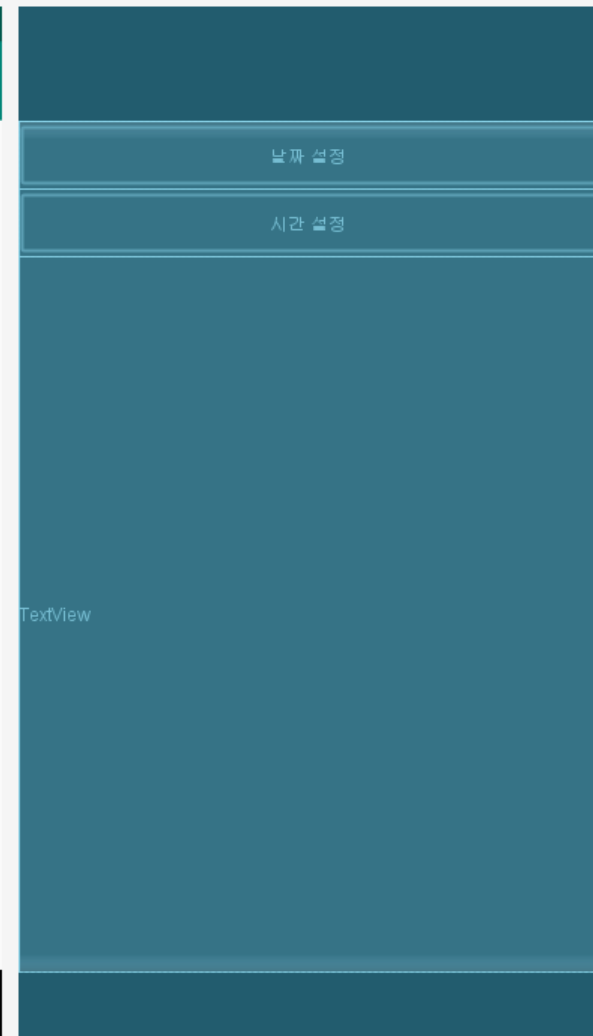
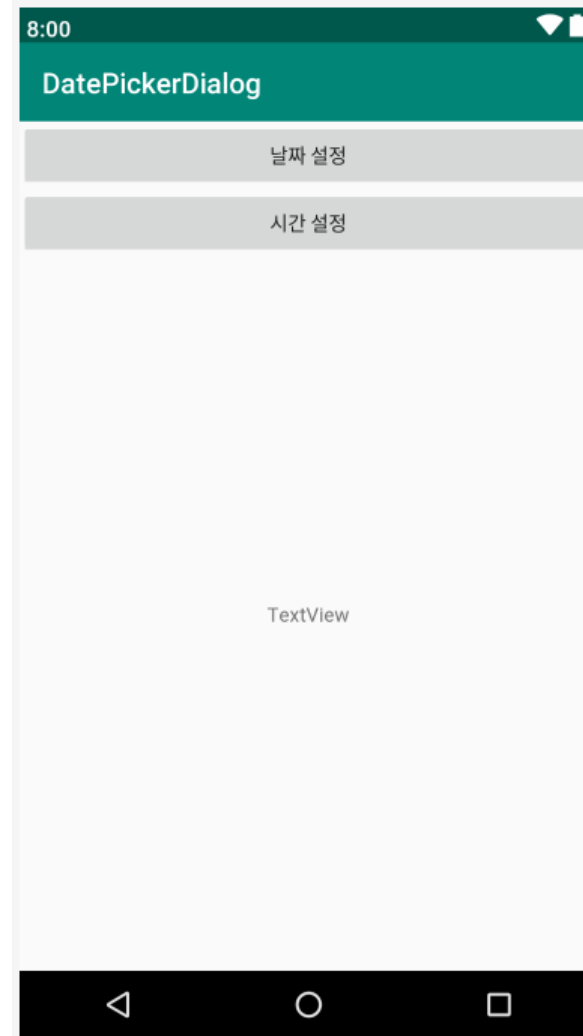
```

## &lt;TextView

```

    android:id="@+id/textView"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_weight="1"
    android:gravity="center_vertical|center_horizontal"
    android:text="TextView" />

```



<Button

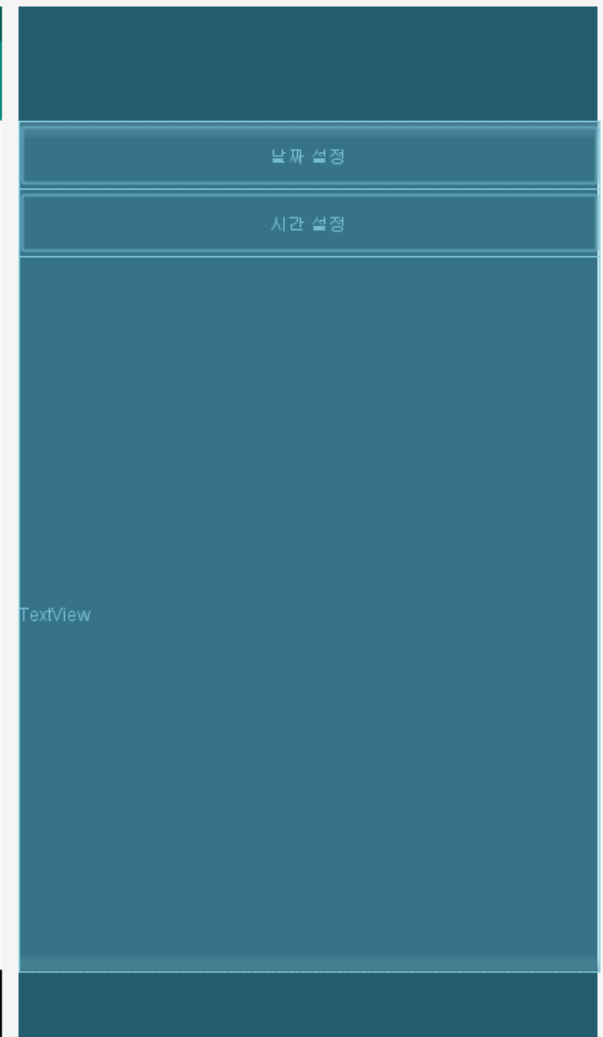
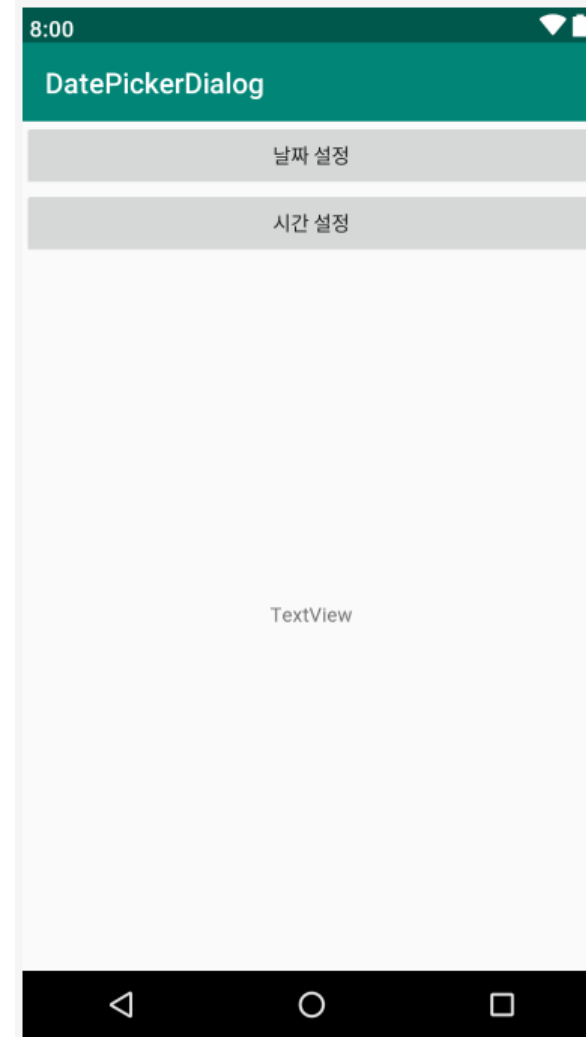
```
android:id="@+id/button1"
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:onClick="onClick"
android:text="날짜 설정" />
```

<Button

```
android:id="@+id/button2"
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:onClick="onClick"
android:text="시간 설정" />
```

<TextView

```
android:id="@+id/textView"
android:layout_width="match_parent"
android:layout_height="wrap_content"
android:layout_weight="1"
android:gravity="center_vertical|center_horizontal"
android:text="TextView" />
```



```
DatePickerDialog datePickerDialog = new DatePickerDialog( context this,
    new DatePickerDialog.OnDateSetListener() {
        @Override
        public void onDateSet(DatePicker datePicker, int year, int monthOfYear, int dayOfMonth) {
            btnSelectDate.setText(year + " / " + (monthOfYear+1) + " / " + dayOfMonth );
        }
    }, mYear, mMonth, mDay);
```

```
DatePickerDialog datePickerDialog = new DatePickerDialog(this, new DatePickerDialog.OnDateSetListener() {
    @Override
    public void onDateSet(DatePicker datePicker, int i, int i1, int i2) {
    }
}, 여기에추가);
```

```
DatePickerDialog datePickerDialog = new DatePickerDialog(this, new DatePickerDialog.OnDateSetListener() {
    @Override
    public void onDateSet(DatePicker datePicker, int year, int monthOfYear, int dayOfMonth) {
    }
}, mYear, mMonth, mDay);

datePickerDialog.show();
```

```
TimePickerDialog timePickerDialog = new TimePickerDialog( context: this,  
    new TimePickerDialog.OnTimeSetListener() {  
        @Override  
        public void onTimeSet(TimePicker timePicker, int hourOfDay, int minute) {  
            btnSelectTime.setText(String.format("%02d:%02d",hourOfDay,minute));  
            textView.setText("클릭한시간: "+tClock.getText() );  
        }  
    },mHour,mMinute, is24HourView: false);
```

```
TimePickerDialog timePickerDialog = new TimePickerDialog(this, new TimePickerDialog.OnTimeSetListener() {  
    @Override  
    public void onTimeSet(TimePicker timePicker, int i, int i1) {  
    }  
}, 여기추가);
```

```
TimePickerDialog timePickerDialog = new TimePickerDialog(this, new TimePickerDialog.OnTimeSetListener() {  
    @Override  
    public void onTimeSet(TimePicker timePicker, int hourOfDay, int minute) {  
    }  
},mHour,mMinute,false);
```



```
public class MainActivity extends AppCompatActivity {  
    Button btnSelectDate, btnSelectTime;  
    DatePickerDialog datePickerDialog;  
    TimePickerDialog timePickerDialog;  
    TextClock tClock;  
    TextView textView;  
  
    @Override  
    protected void onCreate(Bundle savedInstanceState) {  
        super.onCreate(savedInstanceState);  
        setContentView(R.layout.activity_main);  
        btnSelectDate=(Button)findViewById(R.id.btnSelectDate);  
        btnSelectTime=(Button)findViewById(R.id.btnSelectTime);  
        tClock = findViewById(R.id.textClock);  
        textView = findViewById(R.id.textView);  
    }  
}
```

```

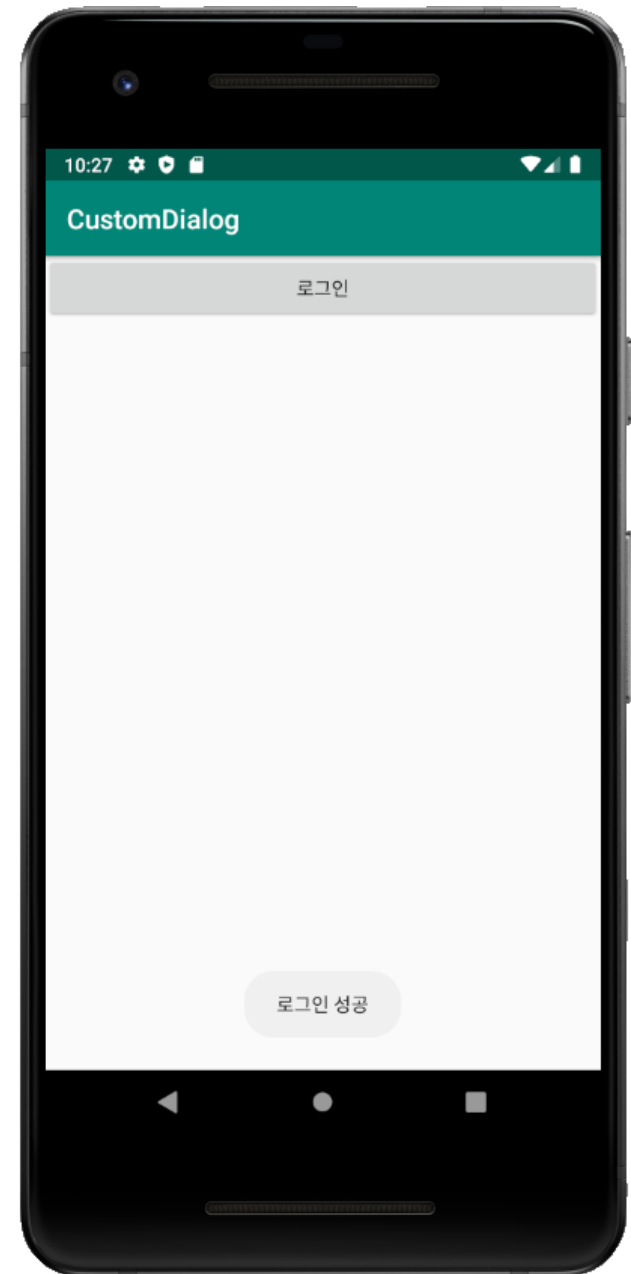
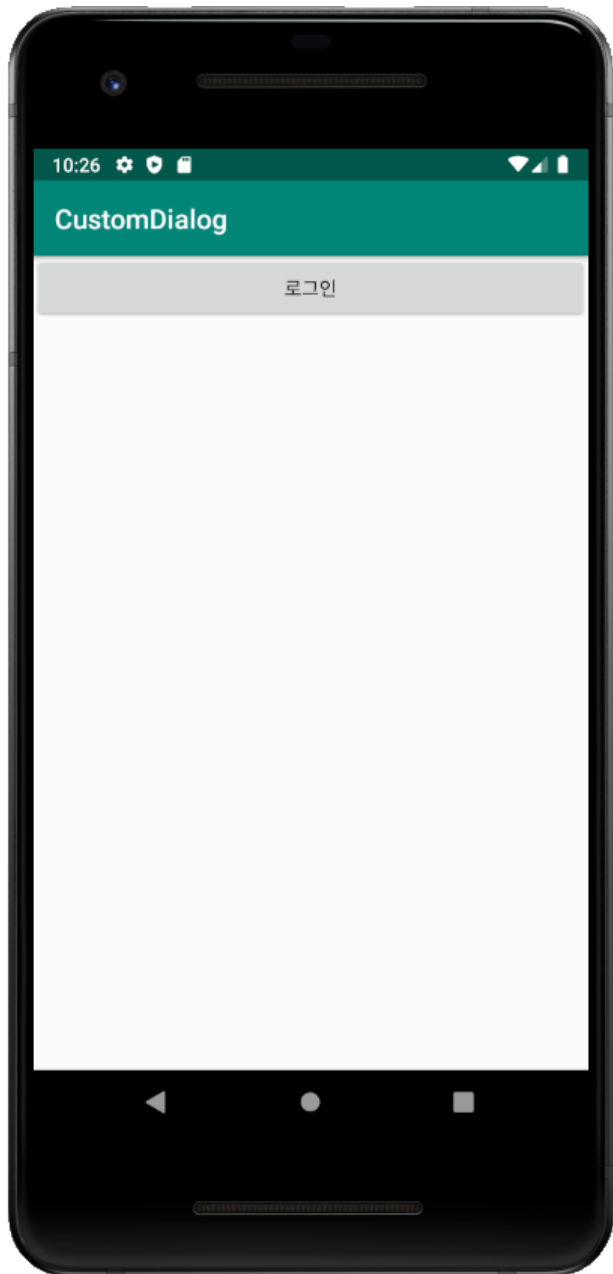
public void onClick(View v) {
    if (v == btnSelectDate) {
        final Calendar c = Calendar.getInstance();
        int mYear = c.get(Calendar.YEAR);
        int mMonth = c.get(Calendar.MONTH);
        int mDay = c.get(Calendar.DAY_OF_MONTH);

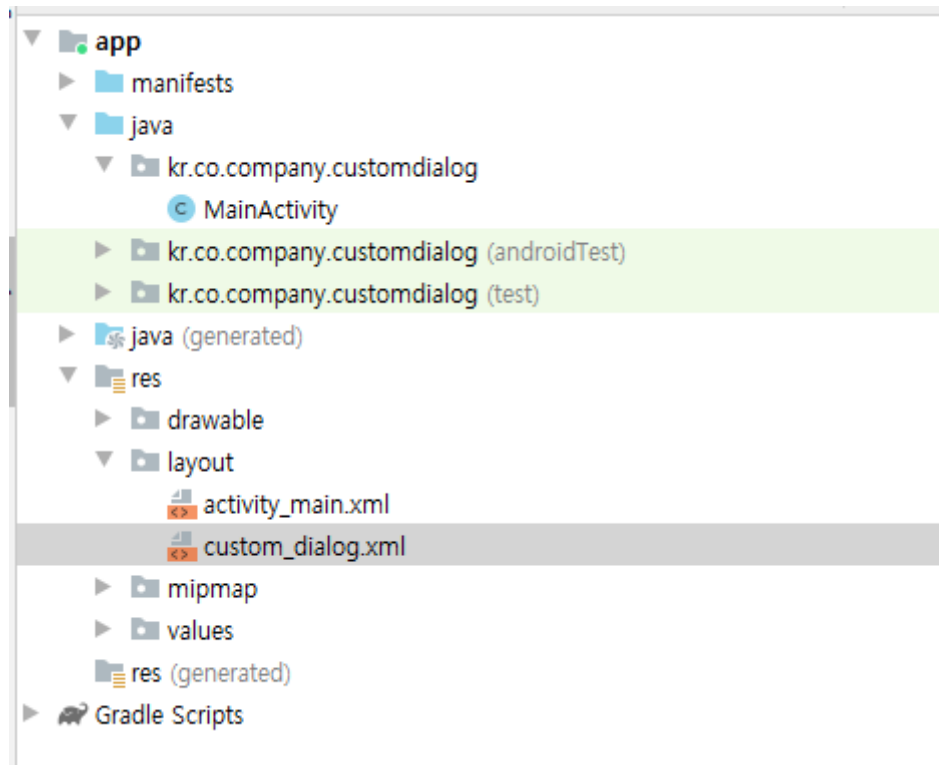
        DatePickerDialog datePickerDialog = new DatePickerDialog(this,
            new DatePickerDialog.OnDateSetListener() {
                @Override
                public void onDateSet(DatePicker datePicker, int year, int monthOfYear, int dayOfMonth) {
                    btnSelectDate.setText(year + " / " + (monthOfYear+1) + " / " + dayOfMonth );
                }
            }, mYear, mMonth, mDay);
        datePickerDialog.show();
    }
    if (v == btnSelectTime) {
        final Calendar c = Calendar.getInstance();
        int mHour = c.get(Calendar.HOUR_OF_DAY);
        int mMinute = c.get(Calendar.MINUTE);

        TimePickerDialog timePickerDialog = new TimePickerDialog(this,
            new TimePickerDialog.OnTimeSetListener() {
                @Override
                public void onTimeSet(TimePicker view, int hourOfDay,
                    int minute) {
                    btnSelectTime.setText(String.format("%02d:%02d", hourOfDay, minute));
                    textView.setText("클릭한시간: "+tClock.getText() );
                }
            }, mHour, mMinute, false);
        timePickerDialog.show();
    }
}
}

```

# Custom Dialog





```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="fill_parent"
    android:layout_height="fill_parent"
    android:orientation="vertical" >

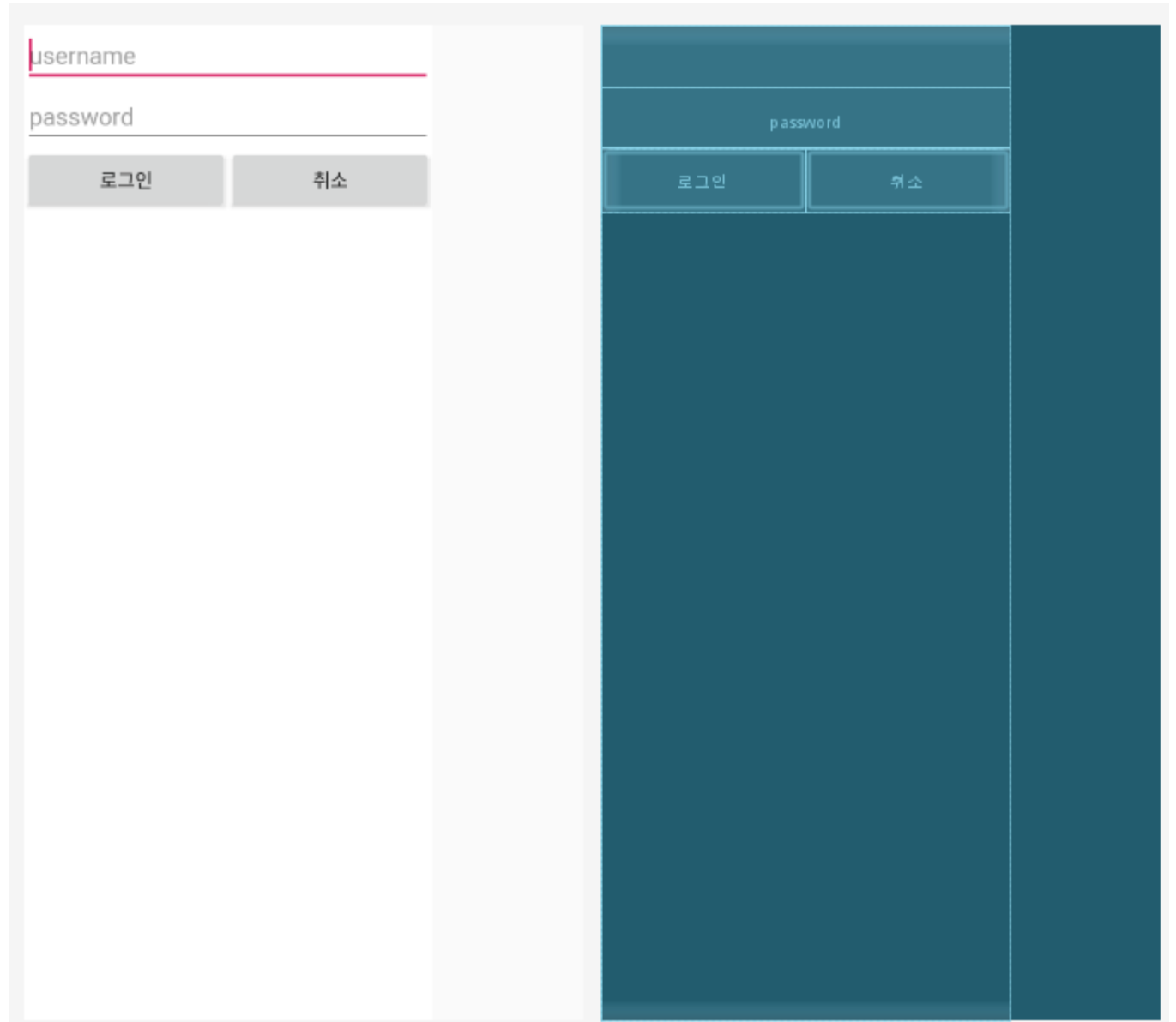
    <Button
        android:id="@+id/button"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_gravity="center_vertical"
        android:onClick="onClick"
        android:text="로그인" >

    </Button>

</LinearLayout>
```



```
<LinearLayout  
    android:layout_width="300dp"  
</LinearLayout >
```



```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="300dp"
    android:layout_height="match_parent"
    android:background="#fff"
    android:orientation="vertical" >

    <EditText
        android:id="@+id/username"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="username" >

        <requestFocus>
        </requestFocus>
    </EditText>
    <EditText
        android:id="@+id/password"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="password"
        android:inputType="textPassword" >
    </EditText>
```

```
    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content" >

        <Button
            android:id="@+id/login"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_weight="0.5"
            android:text="로그인" >

        </Button>

        <Button
            android:id="@+id/cancel"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:layout_weight="0.5"
            android:text="취소" >

        </Button>
    </LinearLayout>
```

```
</LinearLayout>
```





```
<Button
    android:id="@+id/button"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_gravity="center_vertical"
    android:onClick="onClick"
    android:text="로그인" >
```

```
public void onClick(View v) {
    final Dialog loginDialog = new Dialog(this);
    loginDialog.setContentView(R.layout.custom_dialog);
    loginDialog.setTitle("로그인 화면");

    login = loginDialog.findViewById(R.id.Login);
    cancel = loginDialog.findViewById(R.id.cancel);
    username = loginDialog.findViewById(R.id.username);
    password = loginDialog.findViewById(R.id.password);

    login.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View view) {
            if (username.getText().toString().trim().length() > 0
                && password.getText().toString().trim().length() > 0) {
                Toast.makeText(getApplicationContext(), "로그인 성공", Toast.LENGTH_LONG).show();
                loginDialog.dismiss();
            } else {
                Toast.makeText(getApplicationContext(), "다시 입력하십시오", Toast.LENGTH_LONG).show();
            }
        }
    });

    cancel.setOnClickListener(new View.OnClickListener() {
        @Override
        public void onClick(View v) {
            loginDialog.dismiss();
        }
    });
    loginDialog.show();
}
```

```

public class MainActivity extends AppCompatActivity{
    Button login, cancel;
    EditText username, password;

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

    public void onClick(View v) {
        final Dialog loginDialog = new Dialog(this);
        loginDialog.setContentView(R.layout.custom_dialog);
        loginDialog.setTitle("로그인 화면");

        login = loginDialog.findViewById(R.id.Login);
        cancel = loginDialog.findViewById(R.id.cancel);
        username = loginDialog.findViewById(R.id.username);
        password = loginDialog.findViewById(R.id.password);

        login.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                if (username.getText().toString().trim().length() > 0
                    && password.getText().toString().trim().length() > 0) {
                    Toast.makeText(getApplicationContext(), "로그인 성공", Toast.LENGTH_LONG).show();
                    loginDialog.dismiss();
                } else {
                    Toast.makeText(getApplicationContext(), "다시 입력하십시오", Toast.LENGTH_LONG).show();
                }
            }
        });

        cancel.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                loginDialog.dismiss();
            }
        });
        loginDialog.show();
    }
}

```