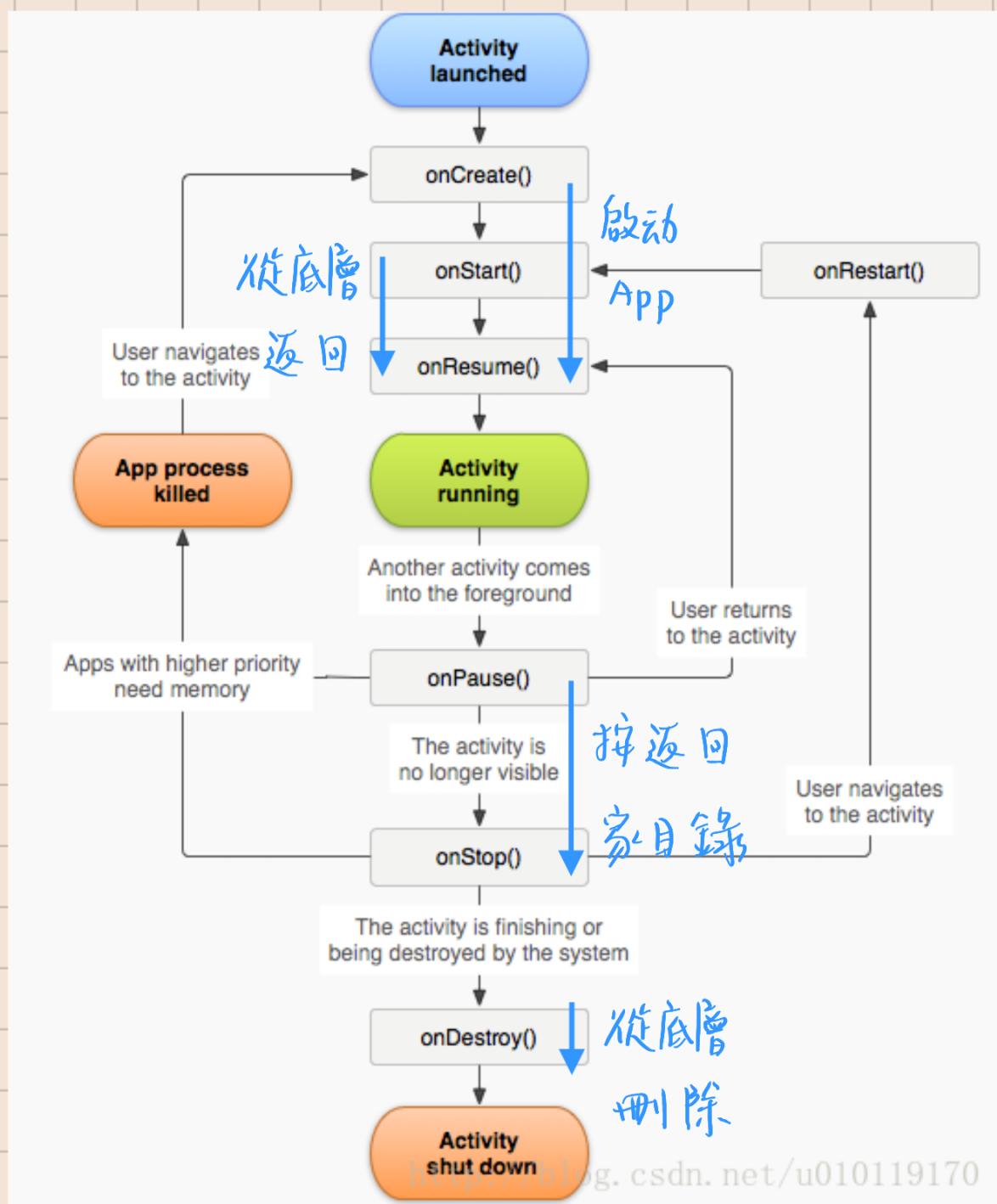


Android Activity



*.MainActivity.java

Right click + Generate + Override Method

Right click → Generate → Override Method

→ Type onCreate, onStart, onResume etc.

Sending Data Between Activities

1° Right click /java/com.logan.activitylifecycle

→ New → Activity → Empty Activity

→ Give Activity name: ShowGuess

→ 產生 /java/com.logan.activitylifecycle/ShowGuess.java

/res/layout/activity-show-guess.xml

(和 MainActivity.java, activity_main.xml 相同)

*. MainActivity.java

```
activity_main.xml x activity_show_guess.xml x MainActivity.java x ShowGuess.java x
14 public class MainActivity extends AppCompatActivity {
15     private Button showGuess;
16     private EditText enterGuess;
17     private final int REQUEST_CODE = 2;
18
19     @Override
20     protected void onCreate(Bundle savedInstanceState) {
21         super.onCreate(savedInstanceState);
22         setContentView(R.layout.activity_main);
23
24         showGuess = findViewById(R.id.guess_button);
25         enterGuess = findViewById(R.id.guess_field);
26
27         showGuess.setOnClickListener(view -> {
28             String msg = enterGuess.getText().toString().trim();
29
30             if (!msg.isEmpty()){
31                 Intent intent = new Intent(packageContext: MainActivity.this, ShowGuess.class);
32                 intent.putExtra(name: "guess", msg);
33                 intent.putExtra(name: "name", value: "bond");
34                 intent.putExtra(name: "age", value: 34);
35             }
36         });
37     }
38 }
```

決定 MainActivity

tfiml(): 消除字符串頭
或結尾的空格

利用 Intent obj 來傳資料到其他 Activity

設定 Intent obj 的 data

```

35     startActivityForResult(intent, REQUEST_CODE); // Wait for return code
36     // startActivityForResult(intent); // Not expecting anything back
37     } else{
38         Toast.makeText(context: MainActivity.this, text: "Plz enter guess", Toast.LENGTH_SHORT)
39             .show();
40     }
41 }
42 }
43 }
44 }
45 }
46 }
47 @Override
48 protected void onActivityResult(int requestCode, int resultCode, @Nullable Intent data) {
49     super.onActivityResult(requestCode, resultCode, data);
50
51     if(requestCode == REQUEST_CODE){
52         if(resultCode == RESULT_OK){
53             String message = data.getStringExtra(name: "message_back");
54             Toast.makeText(context: MainActivity.this, message, Toast.LENGTH_SHORT).show();
55         }
56     }
57 }

```

将 requestCode 17 置为 ShowGuess

→ ShowGuess Activity 回传值

*. ShowGuess.java

```

activity_main.xml x activity_show_guess.xml x MainActivity.java x ShowGuess.java x
1 package com.logan.activitylifecycle;
2
3 import ...
4
5 public class ShowGuess extends AppCompatActivity {
6     private TextView showGuessTextView;
7
8     @Override
9     protected void onCreate(Bundle savedInstanceState) {
10         super.onCreate(savedInstanceState);
11         setContentView(R.layout.activity_show_guess);
12
13         showGuessTextView = findViewById(R.id.recieved_textview);
14         Bundle extra = getIntent().getExtras(); ← Bundle 会将所有 Intent obj 的 data 放下
15         if(extra != null){
16             showGuessTextView.setText(getIntent().getStringExtra("guess"));
17             showGuessTextView.setText(extra.getString(key: "guess"));
18             Log.d(tag: "Name extra", msg: "onCreate : " + extra.getString(key: "name"));
19             Log.d(tag: "Name extra2", msg: "onCreate : " + extra.getInt(key: "age"));
20         }
21
22         ← TextView 也可以用 onClick function
23         showGuessTextView.setOnClickListener(view -> {
24             Intent intent = getIntent(); ← 将原本的 Intent 再回传
25             intent.putExtra(name: "message_back", value: "From Second Activity");
26             setResult(RESULT_OK, intent);
27             finish(); // Clear(End) current activity
28         });
29     }
30 }
31 }
32 }
33 }
34 }
35 }
36 }
37 }

```

Bundle 读取

Bundle 赋值

TextView 也可以用 onClick function

→ 将原本的 Intent 再回传

Note: 都是用 Intent obj 在 Activity 间传递资料

Bundle obj 只是用来一次性读取 Intent 的 data而已

