

Github 網址：<https://github.com/hxuchu/chapter6.git>

## CHAPTER6

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按鈕設定

Java

```
btn.setOnClickListener(new View.OnClickListener(){
    @Override
    public void onClick(View view){
        final AlertDialog.Builder dialog =new AlertDialog.Builder( context: MainActivity.this);
        dialog.setTitle("請選擇功能");
        dialog.setMessage("請根據下方按鈕選擇要顯示的事件");

        dialog.setNeutralButton( text: "取消", new DialogInterface.OnClickListener() {
            @Override
            public void onClick(DialogInterface dialogInterface, int i) {
                Toast.makeText( context: MainActivity.this, text: "dialog關閉",Toast.LENGTH_SHORT).show();
            }
        });

        dialog.setNegativeButton( text: "自定義Toast", new DialogInterface.OnClickListener() {
            @Override
            public void onClick(DialogInterface dialogInterface, int i) { showToast(); }

            //public void onClick(DialogInterface dialogInterface, int i) { showToast(); }
        });

        dialog.setPositiveButton( text: "顯示List", new DialogInterface.OnClickListener() {
            @Override
            public void onClick(DialogInterface dialogInterface, int i) {
                showListDialog();
            }
        });
        dialog.show();
    }
});
```

```

private void showToast(){
    Toast toast = new Toast( context: MainActivity.this);
    toast.setGravity(Gravity.TOP, xOffset: 0, yOffset: 50);
    toast.setDuration	Toast.LENGTH_SHORT);
    LayoutInflater inflater = getLayoutInflater();
    View layout = inflater.inflate(R.layout.custom_toast
    ,(ViewGroup) findViewById(R.id.custom_toast_root));
    toast.setView(layout);
    toast.show();
}

private void showListDialog(){
    final String[] list ={"message1","message2","message3","message4","message5"};
    AlertDialog.Builder dialog_list = new AlertDialog.Builder( context: MainActivity.this);
    dialog_list.setTitle("使用LIST呈現");
    dialog_list.setItems(list, new DialogInterface.OnClickListener() {
        @Override
        public void onClick(DialogInterface dialogInterface, int i) {
            Toast.makeText( context: MainActivity.this
            , text: "你選的是"+list[i],Toast.LENGTH_SHORT).show();
        }
    });
    dialog_list.show();
}
}

```

## Kotlin

```

val list_item = arrayOf("對話框選項1","對話框選項2","對話框選項3",
    "對話框選項4","對話框選項5")
val btn_toast = findViewById<Button>(R.id.btn_toast)
val btn_dialog1 = findViewById<Button>(R.id.btn_dialog1)
val btn_dialog2 = findViewById<Button>(R.id.btn_dialog2)
val btn_dialog3 = findViewById<Button>(R.id.btn_dialog3)
val btn_custom= findViewById<Button>(R.id.btn_custom)

```

```

40 btn_custom.setOnClickListener{ it: View!
41     val toast = Toast( context: this)
42     toast.setGravity(Gravity.TOP, xOffset: 0, yOffset: 50)
43     toast.duration = Toast.LENGTH_SHORT
44     toast.view = layoutInflater.inflate(R.layout.toast_custom, root: null)
45     toast.show()
46 }
47 btn_dialog2.setOnClickListener{ it: View!
48     AlertDialog.Builder( context: this)
49         .setTitle("列表式視窗")
50         .setItems(list_item){ dialogInterface, i ->
51             Toast.makeText( context: this, text: "你選的是"+ list_item[i],
52                             Toast.LENGTH_SHORT).show()
53         }
54     }.show()
55 }
56
57 btn_dialog3.setOnClickListener{ it: View!
58     var position = 0
59     AlertDialog.Builder( context: this)
60         .setTitle("單選式視窗")
61         .setSingleChoiceItems(list_item, checkedItem: 0){
62             dialogInterface, i->
63                 position=i
64         }
65         .setPositiveButton( text: "確定") { dialog, which->
66             Toast.makeText( context: this, text: "你選的是"+
67                             list_item[position], Toast.LENGTH_SHORT).show()
68         }.show()
69     }
70 }

```

## Github

```

hxuchu@DESKTOP-GKSRT8H MINGW64 ~/AndroidStudioProjects/Chapper6 (master)
$ git init
Initialized empty Git repository in C:/Users/hxuchu/AndroidStudioProjects/Chap
r6/.git/

```

```

hxuchu@DESKTOP-GKSRT8H MINGW64 ~/AndroidStudioProjects/Chapper6 (master)
$ git add .
warning: LF will be replaced by CRLF in .gitignore.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in app/build.gradle.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in app/proguard-rules.pro.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in app/src/androidTest/java/com/example/cha
pper6/ExampleInstrumentedTest.kt.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in app/src/main/java/com/example/chapper6/M
ainActivity.kt.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in app/src/main/java/com/example/chapper6/T
oastCustomActivity.kt.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in app/src/main/res/drawable-v24/ic_launche

```



```

r_foreground.xml.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in app/src/main/res/drawable/ic_launcher_ba
ckground.xml.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in app/src/main/res/layout/activity_main.xml
.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in app/src/main/res/layout/toast_custom.xml
.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in app/src/main/res/mipmap-anydpi-v26/ic_la
uncher.xml.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in app/src/main/res/mipmap-anydpi-v26/ic_la
uncher_round.xml.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in app/src/main/res/values-night/themes.xml
.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in app/src/main/res/values/colors.xml.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in app/src/main/res/values/strings.xml.
The file will have its original line endings in your working directory
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in app/src/main/res/values/colors.xml.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in app/src/main/res/values/strings.xml.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in app/src/main/res/values/themes.xml.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in app/src/test/java/com/example/chapper6/E
xampleUnitTest.kt.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in build.gradle.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in gradle.properties.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in gradlew.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in settings.gradle.
The file will have its original line endings in your working directory

```

```

hxuchu@DESKTOP-GKSRT8H MINGW64 ~/AndroidStudioProjects/Chapper6 (master)
$ git commit -m "first"
[master (root-commit) 1760aea] first
42 files changed, 956 insertions(+)
create mode 100644 .gitignore
create mode 100644 .idea/.gitignore
create mode 100644 .idea/compiler.xml
create mode 100644 .idea/gradle.xml
create mode 100644 .idea/misc.xml
create mode 100644 .idea/vcs.xml
create mode 100644 app/.gitignore
create mode 100644 app/build.gradle
create mode 100644 app/proguard-rules.pro
create mode 100644 app/src/androidTest/java/com/example/chapper6/ExampleInstrumen
tedTest.kt
create mode 100644 app/src/main/AndroidManifest.xml
create mode 100644 app/src/main/java/com/example/chapper6/MainActivity.kt
create mode 100644 app/src/main/java/com/example/chapper6/ToastCustomActivity.kt
create mode 100644 app/src/main/res/drawable-v24/ic_launcher_foreground.xml
create mode 100644 app/src/main/res/drawable-v24/star.png
create mode 100644 app/src/main/res/drawable/ic_launcher_background.xml

```

```
create mode 100644 app/src/main/res/drawable-v24/star.png
create mode 100644 app/src/main/res/drawable/ic_launcher_background.xml
create mode 100644 app/src/main/res/layout/activity_main.xml
create mode 100644 app/src/main/res/layout/toast_custom.xml
create mode 100644 app/src/main/res/mipmap-anydpi-v26/ic_launcher.xml
create mode 100644 app/src/main/res/mipmap-anydpi-v26/ic_launcher_round.xml
create mode 100644 app/src/main/res/mipmap-hdpi/ic_launcher.webp
create mode 100644 app/src/main/res/mipmap-hdpi/ic_launcher_round.webp
create mode 100644 app/src/main/res/mipmap-mdpi/ic_launcher.webp
create mode 100644 app/src/main/res/mipmap-mdpi/ic_launcher_round.webp
create mode 100644 app/src/main/res/mipmap-xhdpi/ic_launcher.webp
create mode 100644 app/src/main/res/mipmap-xhdpi/ic_launcher_round.webp
create mode 100644 app/src/main/res/mipmap-xxhdpi/ic_launcher.webp
create mode 100644 app/src/main/res/mipmap-xxhdpi/ic_launcher_round.webp
create mode 100644 app/src/main/res/mipmap-xxxhdpi/ic_launcher.webp
create mode 100644 app/src/main/res/mipmap-xxxhdpi/ic_launcher_round.webp
create mode 100644 app/src/main/res/values-night/themes.xml
create mode 100644 app/src/main/res/values/colors.xml
create mode 100644 app/src/main/res/values/strings.xml
create mode 100644 app/src/main/res/values/themes.xml
create mode 100644 app/src/test/java/com/example/chapper6/ExampleUnitTest.kt
create mode 100644 build.gradle
create mode 100644 gradle.properties
```

```
create mode 100644 build.gradle
create mode 100644 gradle.properties
create mode 100644 gradle/wrapper/gradle-wrapper.jar
create mode 100644 gradle/wrapper/gradle-wrapper.properties
create mode 100644 gradlew
create mode 100644 gradlew.bat
create mode 100644 settings.gradle
```

```
hxuchu@DESKTOP-GKSRT8H MINGW64 ~/AndroidStudioProjects/Chapper6 (master)
$ git remote add origin https://github.com/hxuchu/chapter6.git
```

```
hxuchu@DESKTOP-GKSRT8H MINGW64 ~/AndroidStudioProjects/Chapper6 (master)
$ git push -u origin master
Enumerating objects: 75, done.
Counting objects: 100% (75/75), done.
Delta compression using up to 8 threads
Compressing objects: 100% (59/59), done.
Writing objects: 100% (75/75), 104.51 KiB | 6.53 MiB/s, done.
Total 75 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), done.
To https://github.com/hxuchu/chapter6.git
 * [new branch]      master -> master
Branch 'master' set up to track remote branch 'master' from 'origin'.
```

```
hxuchu@DESKTOP-GKSRT8H MINGW64 ~/AndroidStudioProjects/Chapper6 (master)
$
```

心得：

這次是做很多種顯示、處理訊息的 Lab，一定是之後會用到的功能，顯示視窗

選取選項，之後的期末專題可以好好的使用這個功能，由此 Lab 發現 kotlin 的

程式碼比 java 簡易許多，同樣的功能只需要一點點程式碼，相對少了很多。