

因為要顯示圖片的，所以 Adapter 的 getView() 需要 Override CODE：

```
class MyListAdapter extends ArrayAdapter<SubjectData>{
    private ArrayList<SubjectData> arrayList;
    private Context context;
    public MyListAdapter(Context context, ArrayList<SubjectData> arrayList) {
        super(context, resource: 0, arrayList);
        this.arrayList = arrayList;
        this.context = context;
    }
    @Override
    public View getView(final int position, View convertView, ViewGroup parent) {
        SubjectData subjectData = arrayList.get(position);
        if(convertView == null) {
            LayoutInflater inflater = LayoutInflater.from(context);
            convertView = inflater.inflate(R.layout.myList, root: null);
            TextView title = convertView.findViewById(R.id.title);
            TextView subtitle = convertView.findViewById(R.id.subtitle);
            ImageView image = convertView.findViewById(R.id.image);
            title.setText(subjectData.name);
            subtitle.setText(subjectData.birthday + " " + subjectData.constellation);
            image.setImageResource(subjectData.image);
        }
        return convertView;
    }
}
```

月份選擇的 CODE：

```
public void datePicker(View v){
    Calendar calendar = Calendar.getInstance();
    // 這邊要先get一次，不然會從1990開始，我不知道為什麼。
    int year = calendar.get(Calendar.YEAR);
    int month = calendar.get(Calendar.MONTH);
    int day = calendar.get(Calendar.DAY_OF_MONTH);
    new DatePickerDialog(v.getContext(), (view, year, month, day) -> {
        // Calendar裡的月份從0開始，很鳥，所以要+1
        monthSave = month+1;
        daySave = day;
        String dateTime = String.valueOf(year) + "-" + String.valueOf(month+1) + "-" + String.valueOf(day);
        editDate.setText(dateTime);
    }, year, month, day).show();
}
```

案顯示紀錄需要傳送資料

首先因為要傳送資料，所以我的資料形態 CODE：

```
// 序列化才可以在兩個Activity傳遞
class SubjectData implements Serializable {
    String name;
    String birthday;
    String constellation;
    Integer image;
    public SubjectData(String name, String birthday, String constellation, Integer image) {
        this.name = name;
        this.birthday = birthday;
        this.constellation = constellation;
        this.image = image;
    }
}
```

第一個 Activity 傳送資料 CODE：

```
Button nextPageBtn = (Button)findViewById(R.id.record);
nextPageBtn.setOnClickListener((v) -> {
    // 傳arrayList到下一個Activity
    intent = new Intent(packageContext: MainActivity.this, Record.class);
    intent.putExtra(name: "arrayList", arrayList);
    startActivityForResult(intent, requestCode: 1);
});
```

第二個 Activity 接收資料 CODE :

```
// 從上一個Activity取出值
intent = getIntent();
arrayList = (ArrayList<SubjectData>)intent.getSerializableExtra( name: "arrayList");
adapter = new MyListAdapter( context: this, arrayList);
```

第二個 Activity 回傳資料 CODE :

```
public boolean onKeyDown(int keyCode, KeyEvent event) {
    if (keyCode == KeyEvent.KEYCODE_BACK) {
        intent = new Intent( packageContext: Record.this, MainActivity.class);
        intent.putExtra( name: "arrayList", arrayList);
        setResult(RESULT_OK, intent);
        // 回傳arrayList
        finish();
    }
    return false;
}
```

第一個 Activity 接收資料 CODE :

```
protected void onActivityResult(int requestCode, int resultCode, Intent newIntent) {
    // 從另一個Activity傳回arrayList
    super.onActivityResult(requestCode, resultCode, newIntent);
    if (requestCode == 1) {
        if (resultCode == RESULT_OK) {
            arrayList = (ArrayList<SubjectData>)newIntent.getSerializableExtra( name: "arrayList");
        }
    }
}
```

短案顯示對話方框 CODE :

```
list.setOnItemClickListener((parent, view, position, id) → {
    SubjectData subjectData = arrayList.get(position);
    builder = new AlertDialog.Builder( context: Record.this);
    builder.setTitle(subjectData.name);
    builder.setIcon(subjectData.image);
    builder.setMessage(subjectData.birthday + " " + subjectData.constellation);
    builder.setNegativeButton( text: "離開", new DialogInterface.OnClickListener() {
        @Override
        public void onClick(DialogInterface dialogInterface, int id) {
        }
    });
    AlertDialog dialog = builder.create();
    // 設定沒按離開鍵不能返回
    dialog.setCancelable(false);
    dialog.show();
});
```

長案顯示是否要刪除對話方框 CODE :

```
list.setOnItemLongClickListener((parent, view, position, id) → {
    builder = new AlertDialog.Builder( context: Record.this);
    builder.setMessage("是否確定要刪除?");
    builder.setNegativeButton( text: "NO", new DialogInterface.OnClickListener() {
        @Override
        public void onClick(DialogInterface dialogInterface, int id) {
        }
    });
    builder.setPositiveButton( text: "YES", (dialogInterface, id) → {
        arrayList.remove(position);
        // 重設，不然沒作用，我不知道為什麼
        list.setAdapter(adapter);
        adapter.notifyDataSetChanged();
    });
    AlertDialog dialog = builder.create();
    dialog.show();
    return true;
});
```

起始畫面

Hw4

請選擇生日日期

請輸入生日

請輸入姓名

生日:

星座:

顯示紀錄

選擇生日

Hw4

2020

Sun, May 10

< April 2020 >

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

CANCEL OK

再輸入姓名

Hw4

請選擇生日日期

2020-4-30

Hello Kitty

生日: 2020-4-30

星座: 金牛座

顯示紀錄

更換幾次資料再查(輸入名字案 ENTER)

Hw4

請選擇生日日期

2020-6-21

Alex

生日: 2020-6-21

星座: 巨蟹座

顯示紀錄

Hw4

請選擇生日日期

2020-6-20

Alexander

生日: 2020-6-20

星座: 双子座

顯示紀錄

Hw4

請選擇生日日期

2020-12-25

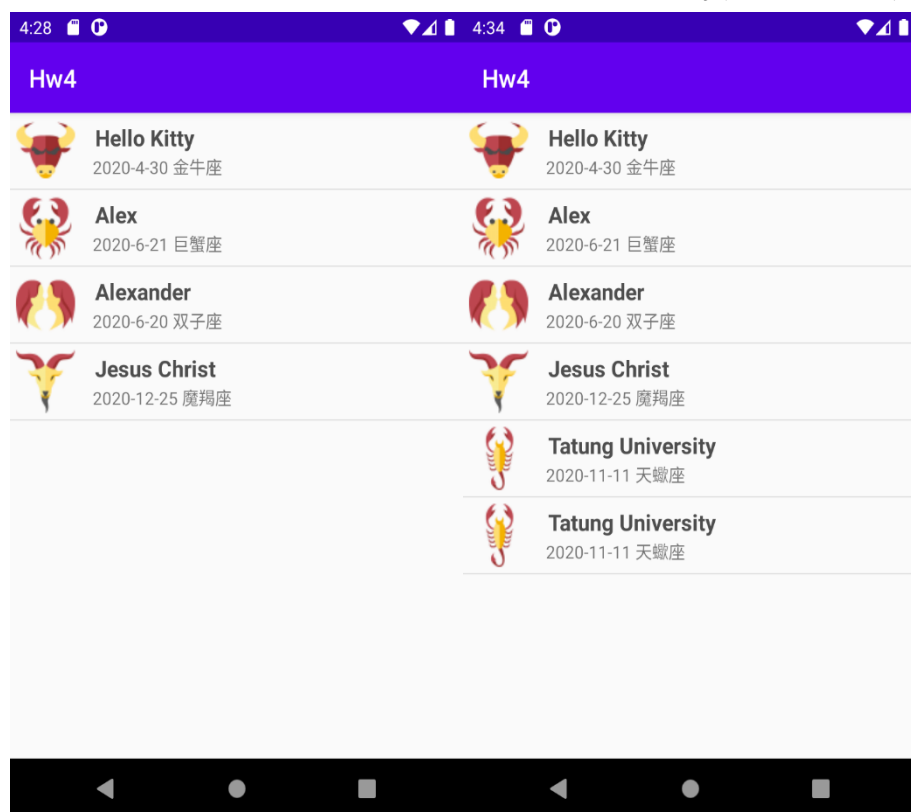
Jesus Christ

生日: 2020-12-25

星座: 魔羯座

顯示紀錄

查詢幾次後按下"查詢資料"按鈕啟動另一個 Activity(Back 鍵返回)



點擊某項顯示 Dialog (按"離開"才能關閉 - BACK 鍵不能關閉)

長按某項顯示 Dialog, 按 YES => 刪除(此例：Jesus Christ 摩羯座)

