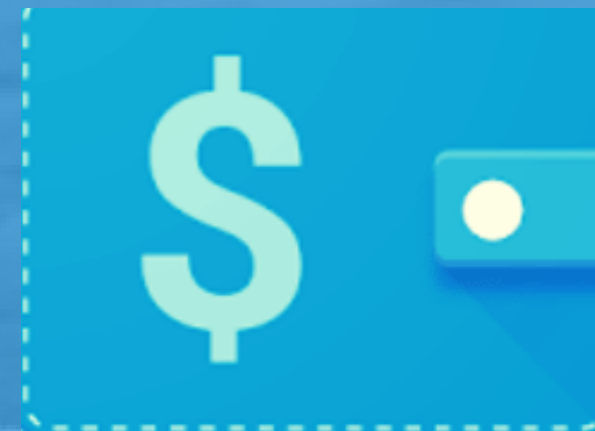


# MoneyWallet

Software Test



01

Team6

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# OUTLINE

1. TEST CRITERIA
2. TEST APPROACH
3. LIST ALL THE TEST CASES
4. TESTING TOOLS
5. SAMPLE TEST CASES
6. LIVE DEMO
7. TEST RESULT
8. TEST COVERAGE
9. PASS/FAIL RECOMMENDATION
10. TEAM MEMBER CONTRIBUTIONS



# 1.TEST CRITERIA

1

一個 Use Case 經過所有的 Test Case 測試後，不能出現任何中斷  
測試腳本執行之錯誤

2

各個操作間的反應時間  
不能超過2秒。

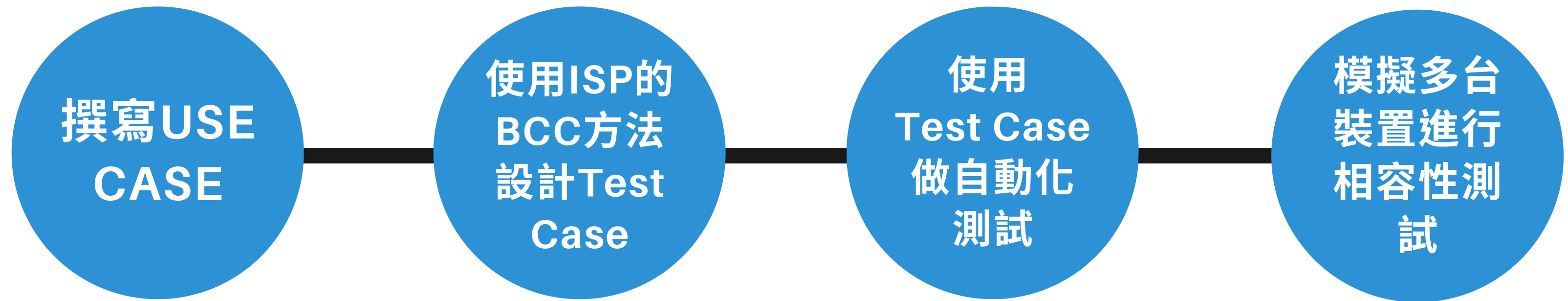
3

所有自動化測試腳本  
必須全部通過

4

在不同Android版本的裝置上部署  
測試後，所有裝置都需要  
滿足前3項準則。

## 2.TEST APPROACH



### 3.LIST ALL THE TEST CASES

#### 新增錢包帳戶

ID	Test Case
1(BASE)	錢包名稱不為空、貨幣為美元、金額 $[0 \sim (10^{16}) - 2]$ 、備註為空、選擇in total
2	不選擇 in total
3	備註不為空
4	金額 $[(-10^{16}) + 2, 0]$
5	金額 $> (10^{16}) - 2$
6	金額 $< (-10^{16}) + 2$

ID	Test Case
7	貨幣為阿富汗貨幣
8	錢包名稱為空

#### 刪除錢包帳戶

ID	Test Case
1	刪除錢包帳戶

### 3.LIST ALL THE TEST CASES

#### 新增交易紀錄

ID	Test Case
1(BASE)	金額[0~(10^16)-2]、說明不為空、類別為Salary、日期為今天、錢包名稱不為空、事件為空、參與對象為空、地點為空、備註為空、選擇Confirmed、選擇 in total
2	不選擇 in total
3	不選擇Confirmed
4	備註不為空
5	地點不為空
6	參與對象不為空

ID	Test Case
7	事件不為空
8	錢包名稱為空(infeasible)
9	日期為過去
10	日期為未來
11	類別為Hobby
12	說明為空
13	金額[(-10^16)+2, 0]
14	金額> (10^16)-2
15	金額< (-10^16) + 2

### 3.LIST ALL THE TEST CASES

#### 刪除交易紀錄

ID	Test Case
1	刪除交易紀錄

#### 查詢交易紀錄

ID	Test Case
1	查詢交易紀錄

#### 查看單筆交易紀錄內容

ID	Test Case
1	查看單筆交易紀錄內容

### 3.LIST ALL THE TEST CASES

#### 分析數據

ID	Test Case
1(BASE)	Group為monthly、交易內容為net incomes
2	交易內容為only incomes
3	交易內容為only expenses
4	Group為daliy
5	Group為weekly
6	Group為yearly



### 3.LIST ALL THE TEST CASES

#### 新增交易模板

ID	Test Case
1(BASE)	金額[0~(10^16)-2]、說明不為空、類別為Salary、日期為今天、錢包名稱不為空、事件為空、參與對象為空、地點為空、備註為空、選擇Confirmed、選擇in total
2	不選擇 in total
3	不選擇Confirmed
4	備註不為空
5	地點不為空
6	事件不為空

ID	Test Case
7	錢包名稱為空(infeasible)
8	日期為過去
9	日期為未來
10	類別為Hobby
11	說明為空

### 3.LIST ALL THE TEST CASES

#### 編輯交易模板

ID	Test Case
1(BASE)	金額[0~(10^16)-2]、說明不為空、類別為Salary、日期為今天、錢包名稱不為空、事件為空、參與對象為空、地點為空、備註為空、選擇Confirmed、選擇in total
2	不選擇 in total
3	不選擇Confirmed
4	備註不為空
5	地點不為空
6	事件不為空

ID	Test Case
7	錢包名稱為空(infeasible)
8	日期為過去
9	日期為未來
10	類別為Hobby
11	說明為空

### 3.LIST ALL THE TEST CASES

#### 删除交易模板

ID	Test Case
1	删除交易模板

#### 使用交易模板

ID	Test Case
1	使用交易模板

## 4.TESTING TOOLS



Android Studio



Appium Server



Appium Inspector



JUnit



Java

## 5.SAMPLE TEST CASES

```
public void setUp() throws Exception {  
    DesiredCapabilities capabilities = new DesiredCapabilities();  
    capabilities.setCapability(capabilityName: "deviceName", value: "MoneyWallet");  
    capabilities.setCapability(capabilityName: "udid", value: "emulator-5554"); // DeviceId from "adb devices" command. //  
    capabilities.setCapability(capabilityName: "platformName", value: "Android");  
    capabilities.setCapability(capabilityName: "skipUnlock", value: "true");  
    capabilities.setCapability(capabilityName: "app", value: "C:\\\\Users\\JB\\Desktop\\NTUT\\110_second_semester\\Software Testing\\Project\\GitL  
    // ^ 改成自己放APK的路徑位置 ^  
    capabilities.setCapability(capabilityName: "autoGrantPermissions", value: "true");  
    capabilities.setCapability(capabilityName: "autoAcceptAlerts", value: "true");  
    capabilities.setCapability(capabilityName: "noReset", value: "false"); // 討論  
    capabilities.setCapability(capabilityName: "automationName", value: "uiautomator2");  
    capabilities.setCapability(capabilityName: "unicodeKeyboard", value: "true");// Add this so we can input Chinese. //  
    capabilities.setCapability("newCommandTimeout", 600);  
    capabilities.setCapability(capabilityName: "-session-override", value: "true");  
    driver = new AndroidDriver<MobileElement>(new URL( spec: "http://127.0.0.1:4723/wd/hub"), capabilities);  
    width = driver.manage().window().getSize().getWidth();  
    height = driver.manage().window().getSize().getHeight();  
    System.out.print("Width:"+valueOf(width)+" X Height:"+valueOf(height)+"\n");  
    swipe = new SwipeUtil(driver, width, height);  
    calculator = new CalculatorUtil(driver);  
    Thread.sleep( millis: 1000); // Wait for elements initialized. //  
    AddFirstAccount();  
}
```

# SAMPLE TEST CASES

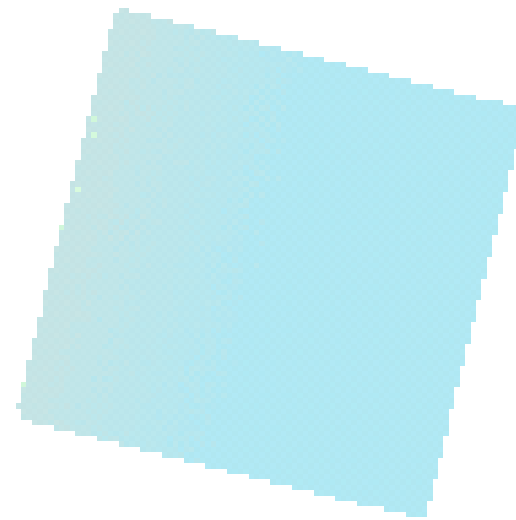
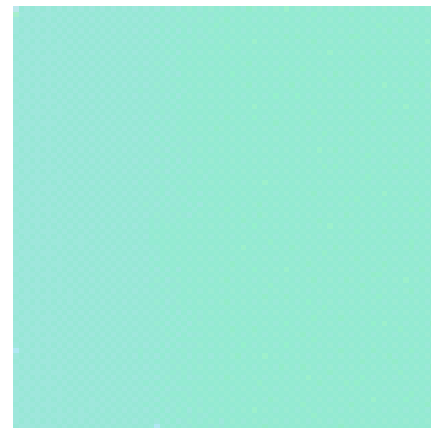
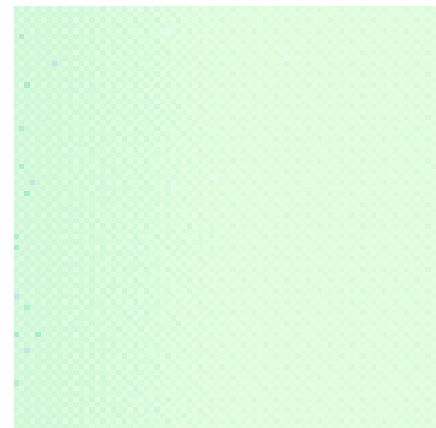
@Test

```
public void Add_Transcation_BaseChoice() throws Exception {  
    TranscationDTO dto = new TranscationDTO();  
    dto.setAmount("22000.00");  
    dto.setDescription("lucky money");  
    dto.setCategoryType(CategoryType.INCOMES);  
    dto.setCategoryName("Salary");  
    dto.setDateBlockType(DateBlockType.CURRENT);  
    Add_Transcation(dto);  
    Verify_Transcation_Add(dto, verify_amount: "22,000.00");  
}
```

@Test

```
public void Add_Transcation_BCC1() throws Exception {  
    TranscationDTO dto = new TranscationDTO();  
    dto.setAmount("22000.00");  
    dto.setDescription("lucky money");  
    dto.setCategoryType(CategoryType.INCOMES);  
    dto.setCategoryName("Salary");  
    dto.setDateBlockType(DateBlockType.CURRENT);  
    dto.setShowInTotalWallet(false);  
    Add_Transcation(dto);  
    Verify_Transcation_Add(dto, verify_amount: "22,000.00");  
}
```

# 6.DEMO



7.TEST RESULT

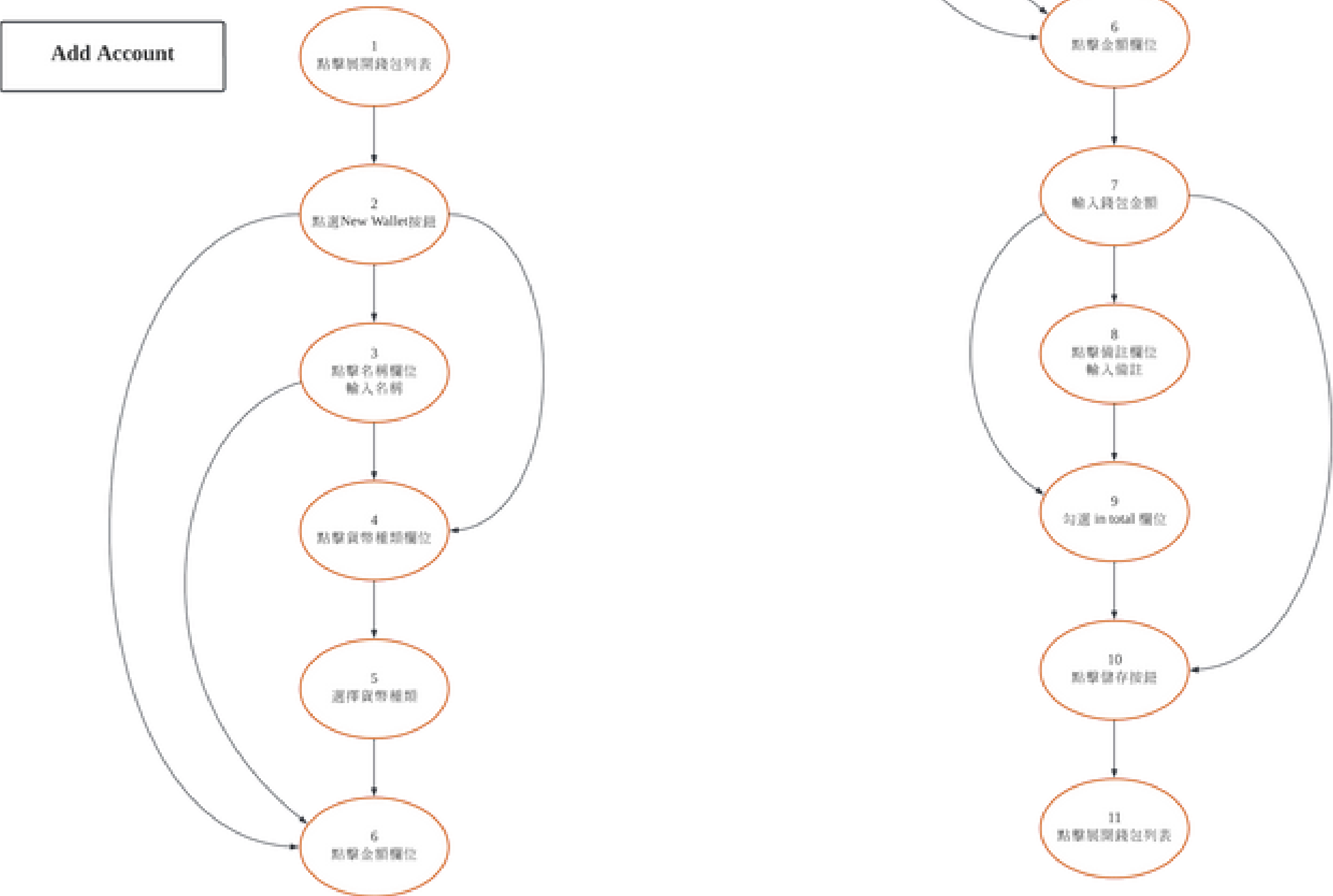
TCS Identifier	Test Cases	Pass	Fail
MWST-01	8	6	2
MWST-02	1	1	0
MWST-03	14	10	4
MWST-04	1	1	0
MWST-05	1	1	0
MWST-06	1	1	0
MWST-07	6	6	0
MWST-08	11	8	3
MWST-09	11	8	3
MWST-10	1	1	0
MWST-11	1	1	0



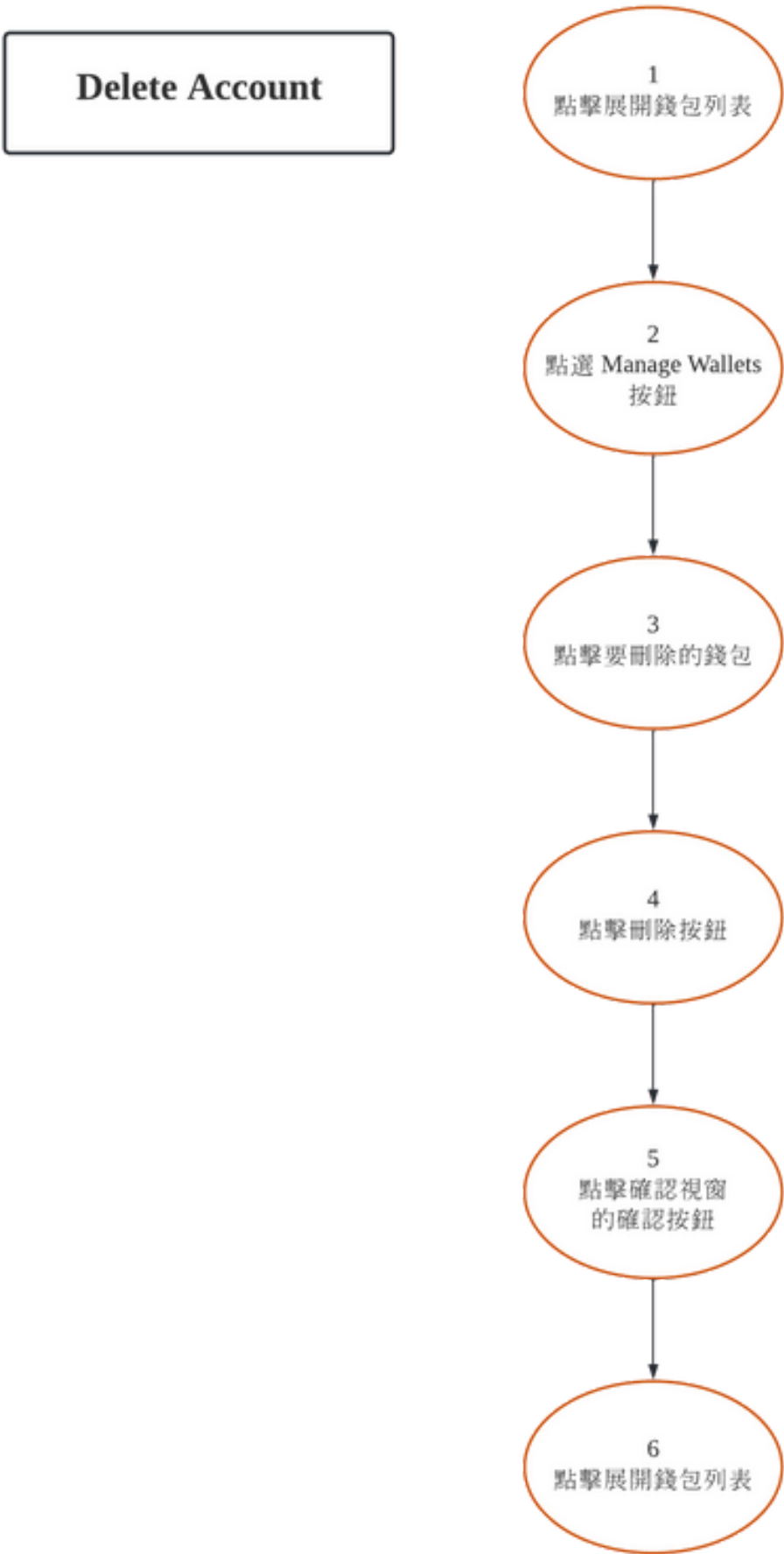
## 7.TEST RESULT

TCS Identifier w.r.t. failed tests	Result of failed tests
MWST-01	Value of “Amount” field not correct.
MWST-03	Value of “Amount” field not equals to the result of the feature function.
MWST-08	Value of “Amount” field not equals to the result of the feature function.
MWST-09	Value of “Amount” field not equals to the result of the feature function.

# 8.TEST COVERAGE

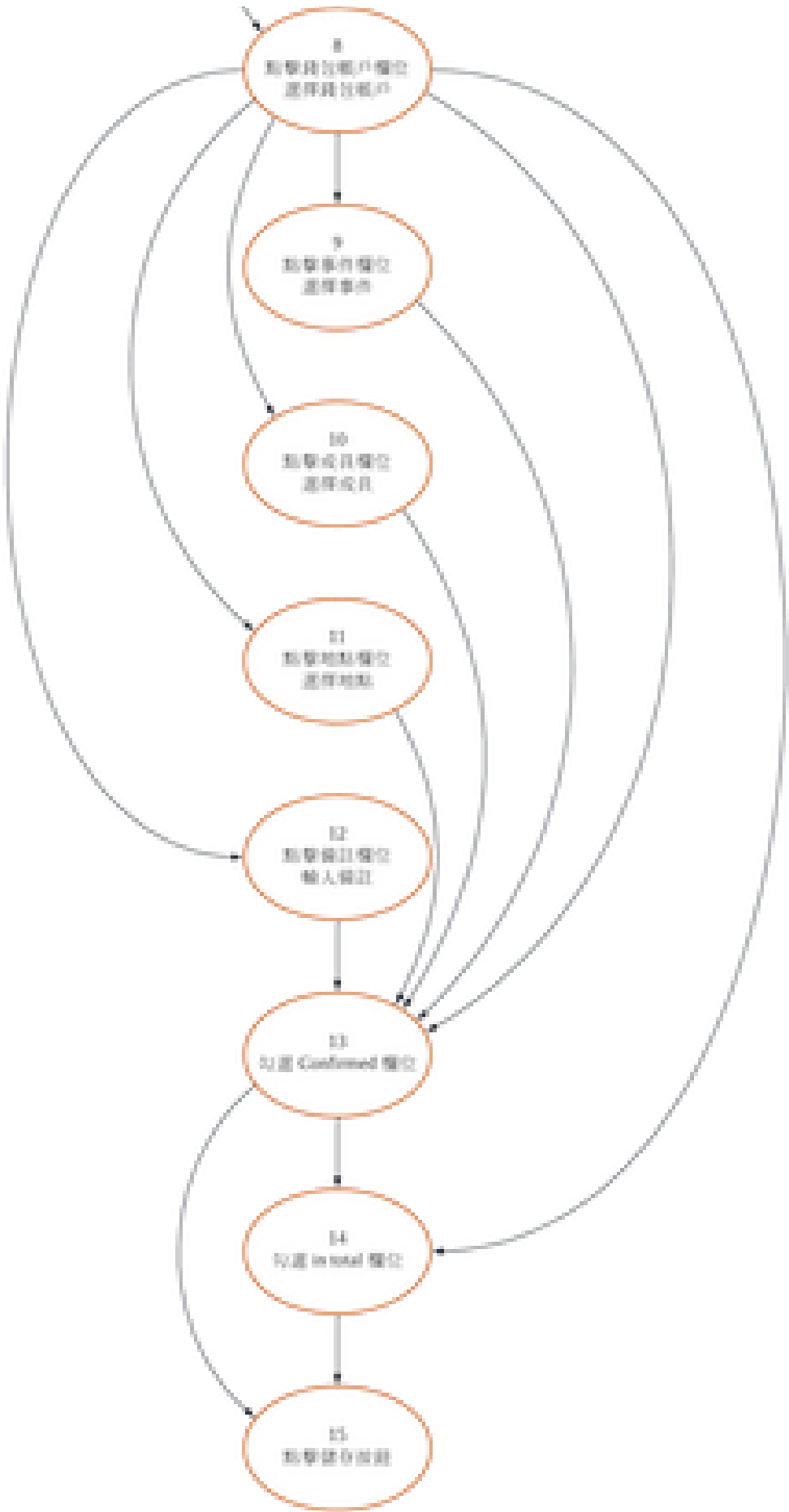
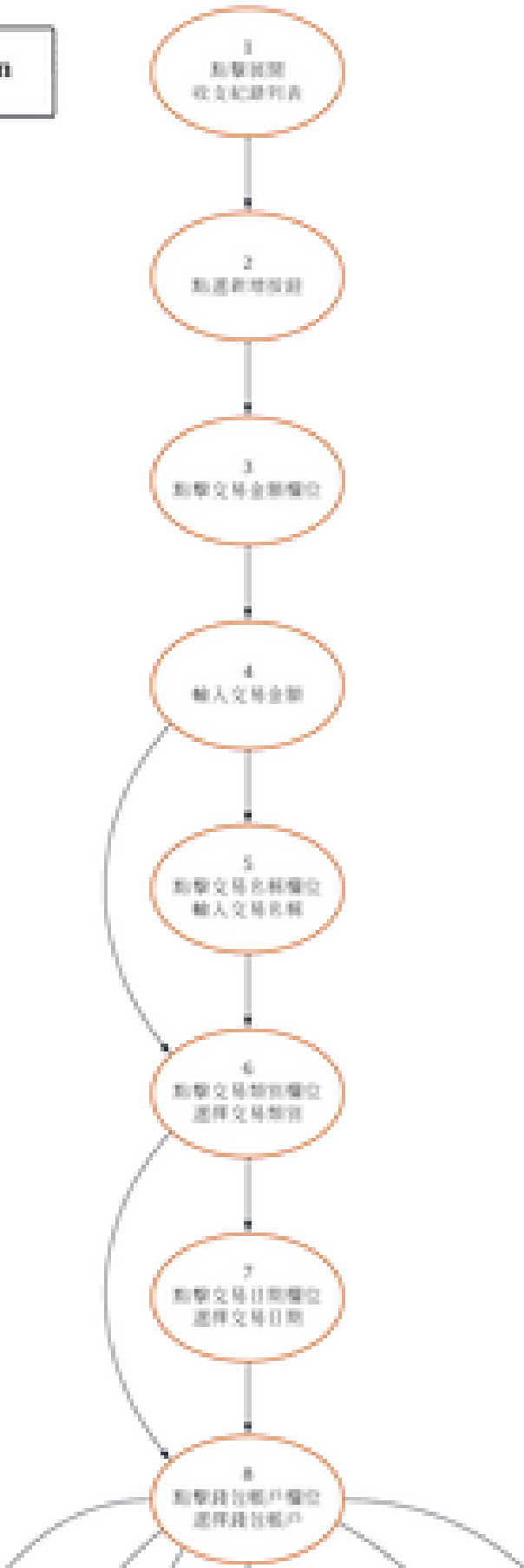


# 8.TEST COVERAGE



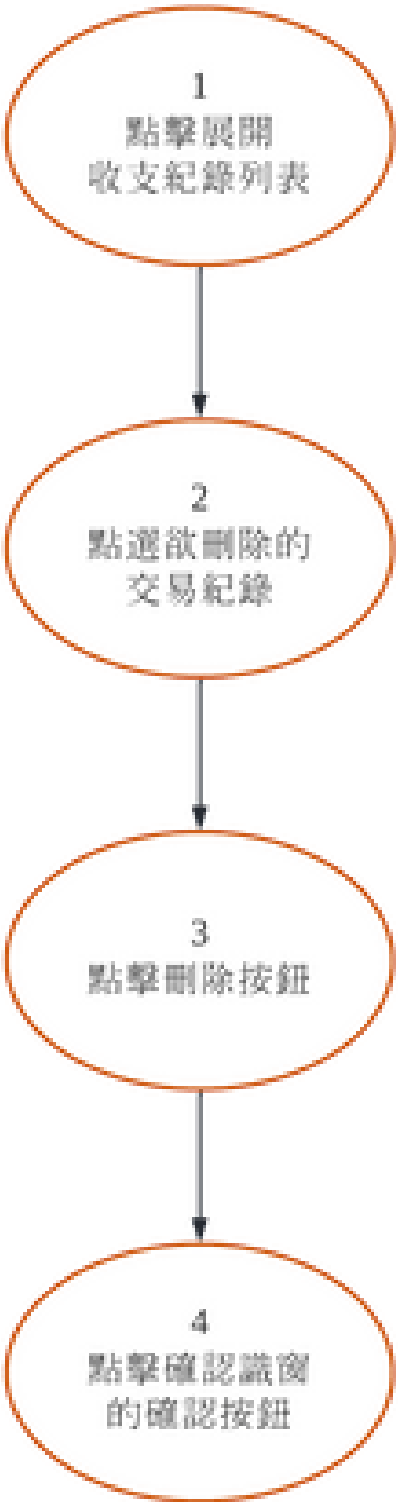
# 8.TEST COVERAGE

Add Transaction

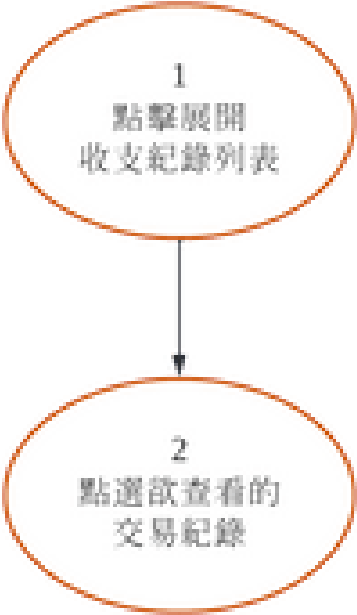


# 8.TEST COVERAGE

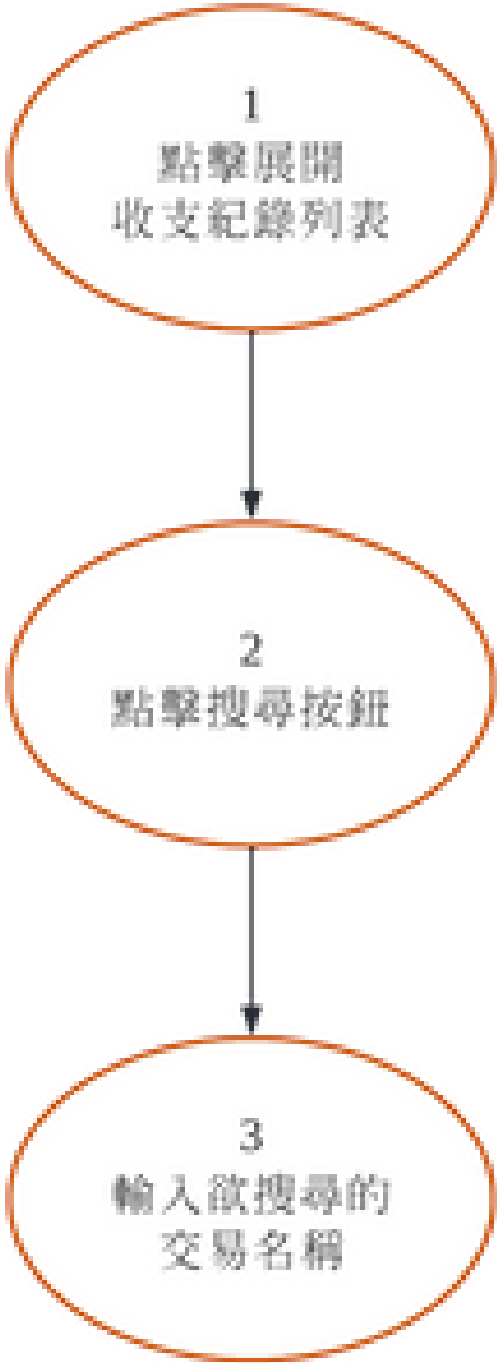
## Delete Transaction



## View Transaction

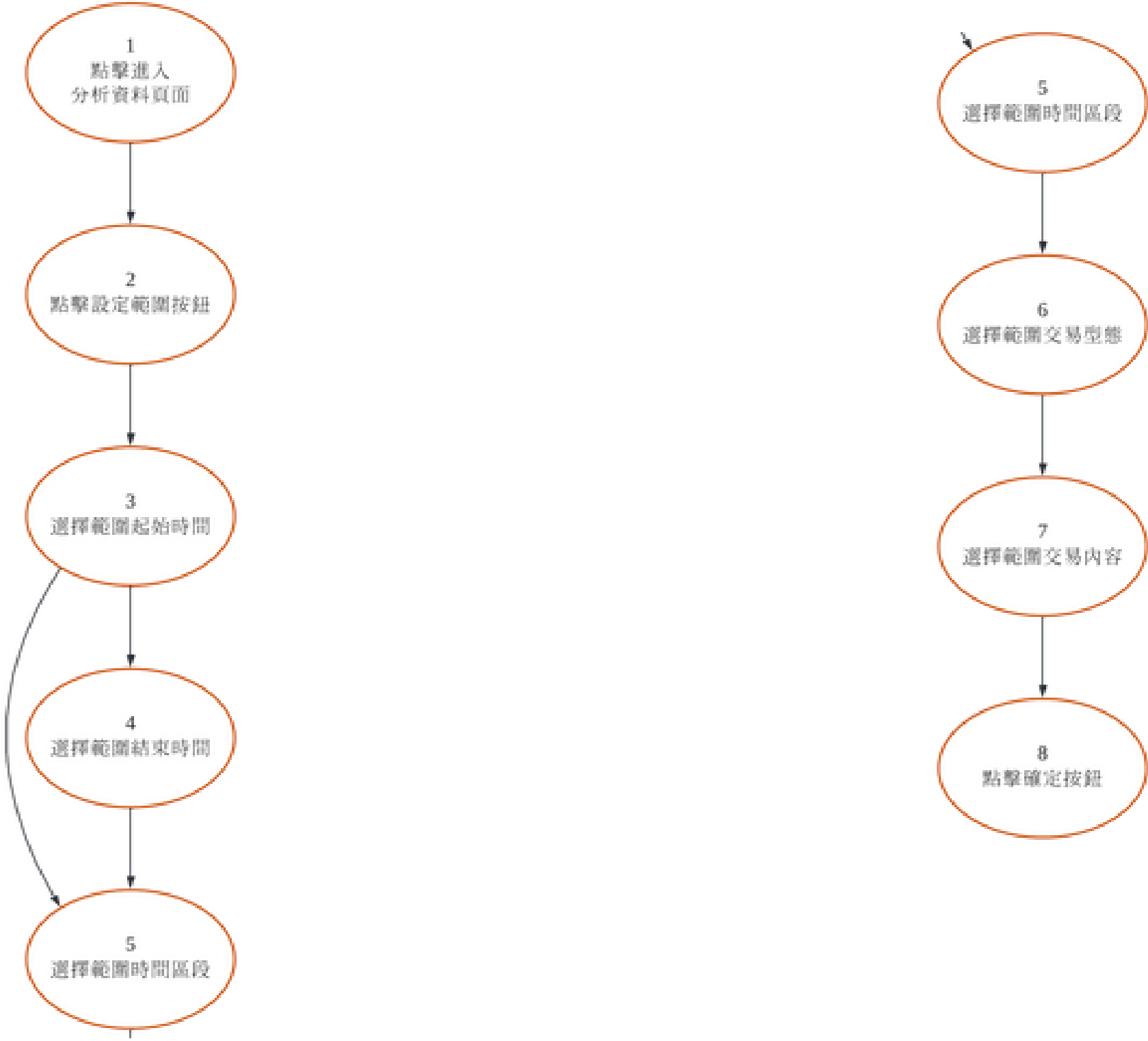


# 8.TEST COVERAGE

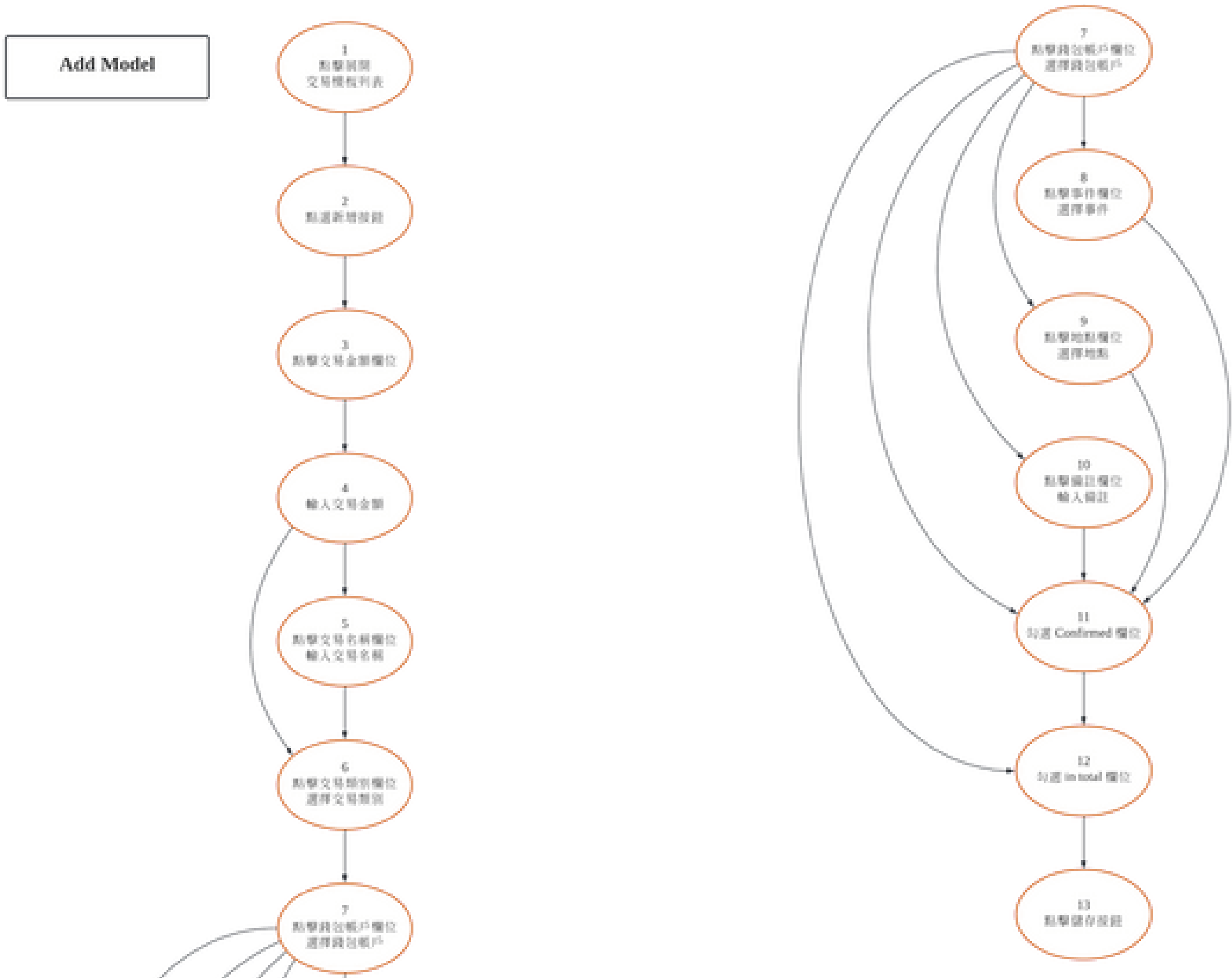


# 8.TEST COVERAGE

View Overview

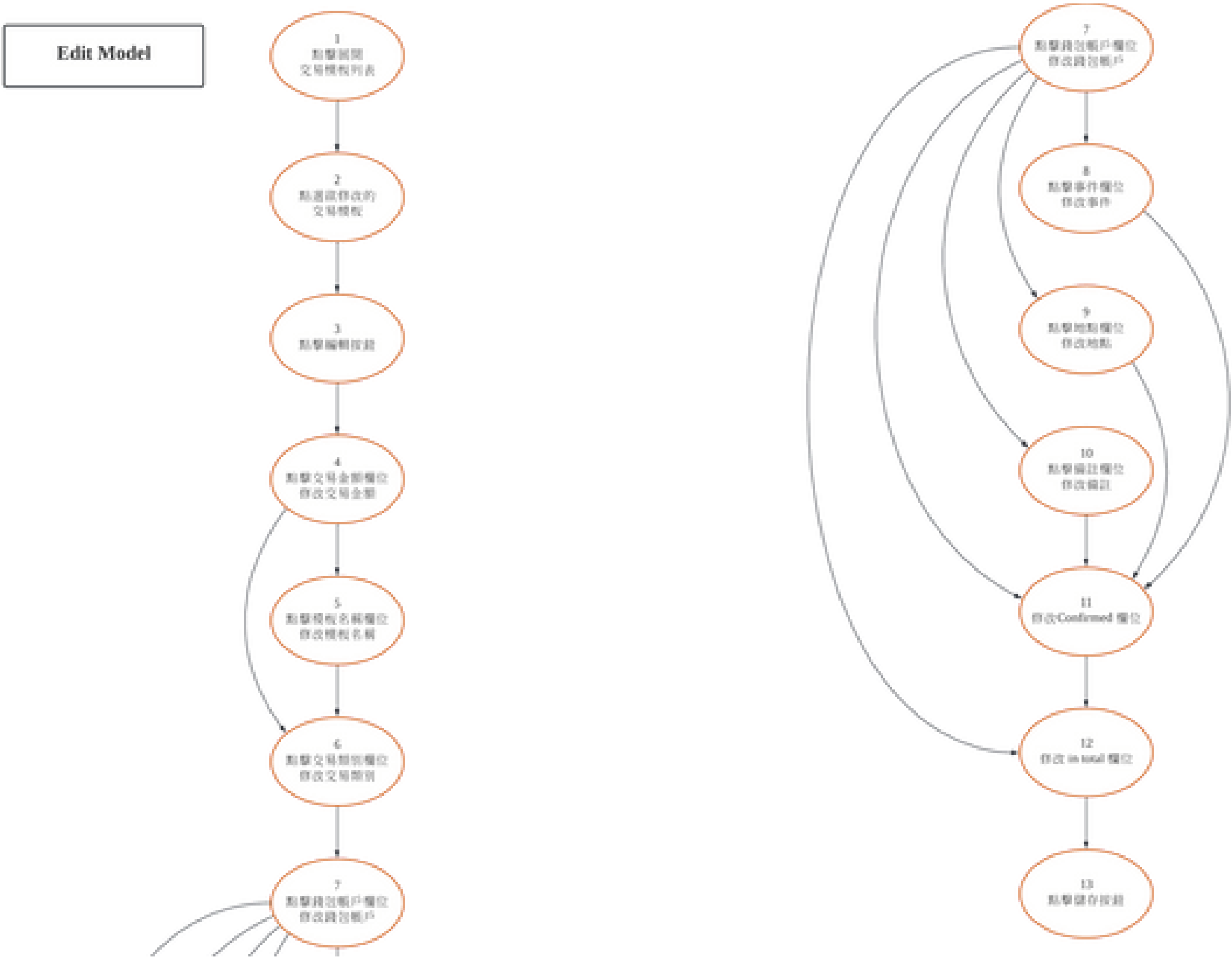


# 8.TEST COVERAGE

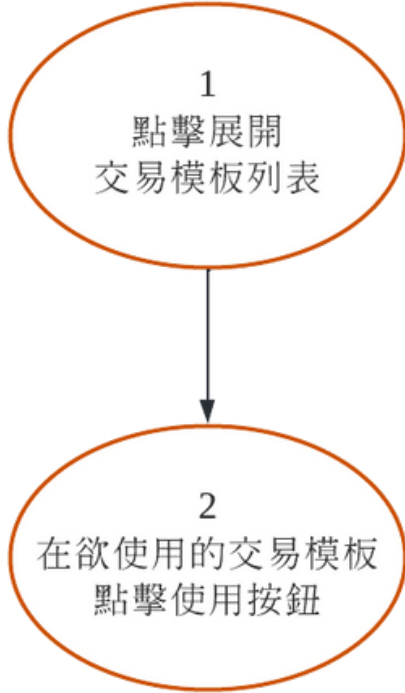
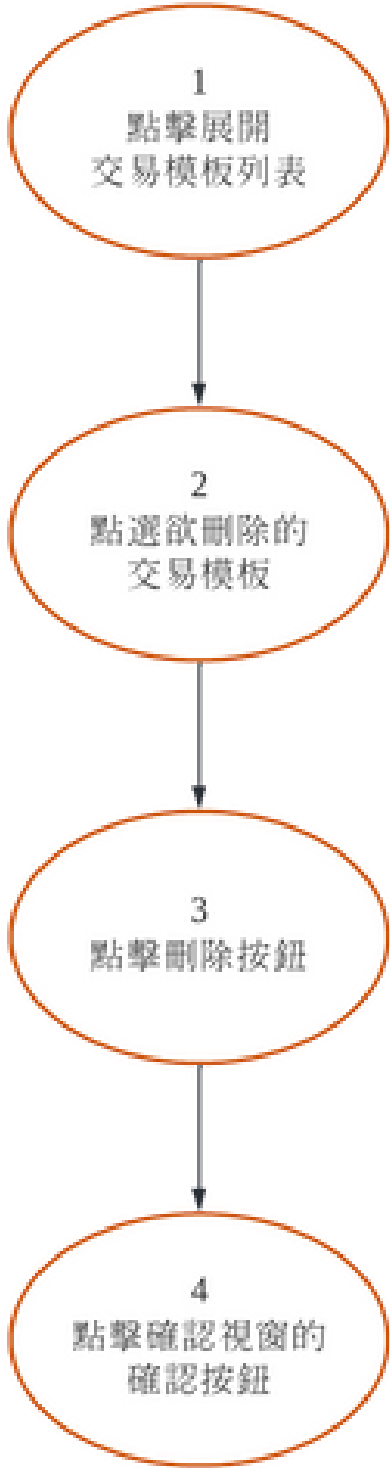




# 8.TEST COVERAGE



# 8.TEST COVERAGE



## 9.PASS/FAIL RECOMMENDATION

經過測試後有4個Features的測試案例未全數通過，根據我們定義的Test Criteria，此APP沒有通過我們的標準

# 10.TEAM MEMBER CONTRIBUTIONS



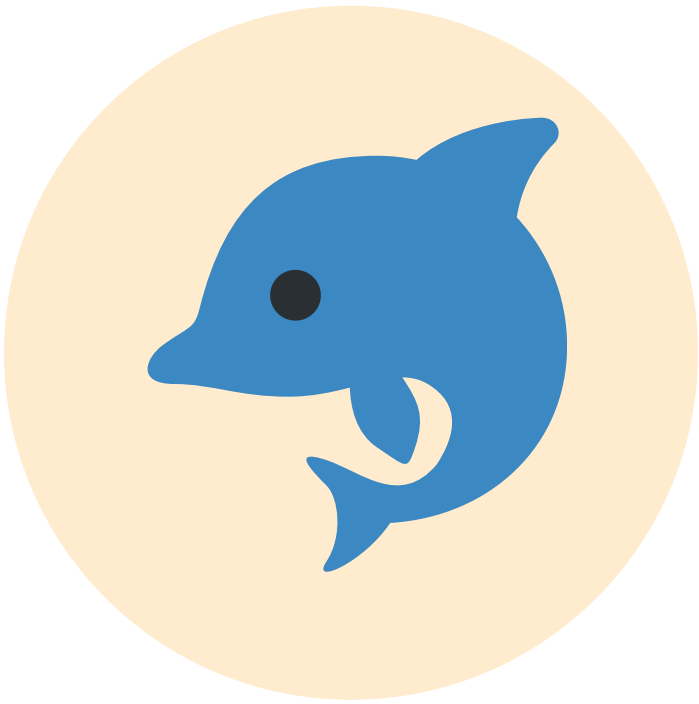
郭宗育

STP、TDS、TCS  
測試環境  
執行測試



林妤潔

STP、TDS、TCS  
測試環境  
執行測試



林大祐

STP、TDS、TCS  
測試環境  
執行測試



謝狄烽

STP、TDS、TCS  
測試環境  
執行測試