105598003 劉彥麟   
105598074 呂昭陞   
105598048 陳政皓

Software Test Plan

Sealnote

目錄

[1. Test plan identifier 2](#_Toc479348588)

[2. Introduction and References 2](#_Toc479348589)

[2.1 Background 2](#_Toc479348590)

[2.2 Purpose of test plan 2](#_Toc479348591)

[3 Test Items 2](#_Toc479348592)

[4 Features To Be Tested 2](#_Toc479348593)

[5 Features Not To Be Tested 5](#_Toc479348594)

[6 Test Approach 5](#_Toc479348595)

[6.1測試工具 5](#_Toc479348596)

[6.2測試標準 5](#_Toc479348597)

[7 Item Pass/Fail Criteria 6](#_Toc479348598)

[8 Test Deliverables 6](#_Toc479348599)

[9 Testing Tasks 6](#_Toc479348600)

[10 Environment Needs 6](#_Toc479348601)

[11 Role and Responsibilities 6](#_Toc479348602)

[12 Staffing and Training 7](#_Toc479348603)

[13 Schedule and Milestones 7](#_Toc479348604)

[14 Risks and contingencies 7](#_Toc479348605)

[15 Approvals 7](#_Toc479348606)

1. Test plan identifier

本計畫將測試Google Play 上的Android App：sealnote v0.8.7

2. Introduction and References

2.1 Background

SealNote is simple notes/notepad application which focuses on security and simplicity. Your notes are password protected using 256-bit AES encryption. Keep sensitive information always available without compromising security!

* Password protection (256-bit AES encryption)
* Color code your notes
* Password expires after configurable timeout
* Protect content from screenshots, window switcher and other non-secure displays
* Multi-column layout with number of columns optimized for your screen size.
* Simple and easy to use UI/UX
* No ads ever!

2.2 Purpose of test plan

我們的test plan分成兩種1.針對畫面上的ui反映之後的事件進行測試，並看與我們的需求是否一致2.針對系統負載下去進行測試，看會不會對程式造成影響

3 Test Items

Android App : Sealnote

<http://bit.ly/2nZX5Jv>

4 Features To Be Tested

|  |  |
| --- | --- |
| **Feature to Test** | **Test Description** |
| Password protection | 測試notes是否被密碼保護。 |
| Password輸入種類 | 測室密碼可允許註冊的輸入 |
| 驗證信用卡種類 | 測試輸入卡號是否會出現對應的信用卡(master,visa,express) |
| CRUD for notes | 分別測試三種Note(Plain text, Card Details, Login Details)的基本操作：Create, Read, Update and Delete。 |
| Restore the notes | 分別測試三種Note(Plain text, Card Details, Login Details)再刪除後是否能被復原。 |
| CRUD for tag | 測試Tag的基本操作：Create, Read, Update and Delete。 |
| 限制螢幕截圖 | 是否無法透過擷取螢幕圖片來獲得或紀錄note內容。 |
| 帳號登出 | 測試登出和登入逾時沒操作是否可以重新登入 |

5 Features Not To Be Tested

|  |  |  |
| --- | --- | --- |
| No. | Not To Be Tested | Reason |
| 01 | Notes背景顏色 | 暫時不知道怎麼測 |
| 02 | 資料備份、還原 | 涉及到多個第三方APP，超過本次測試範圍 |
| 03 | Share note | 涉及到多個第三方的社群軟體，不能確定是否全部的社群軟體，notes都能被正確的分享。 |

6 Test Approach

6.1測試工具

1. Appium1.6.4

2. Robot Framework with python2.7

3.AppiumLibrary1.3.2

4.UIAutomator3.0.0

6.2測試標準

需測試所有測試情境

7 Item Pass/Fail Criteria

1. 依照Use Case以及Activity diagram規劃出的測試案例，應該要全部測試通過。
2. Appium的測試腳本(根據Use Case設計而來)全部測試通過，並產生相關報表。

8 Test Deliverables

1. STP

2. TCS

3. Test Summary Report

9 Testing Tasks

1. 準備測試計畫書

2. 準備測試環境

3. 設計測試案例

4. 設計自動化測試腳本

5. 執行測試和評估測試結果

6. 撰寫測試結果報告

10 Environment Needs

PC版本 : Windows 7以上

App版本 : 0.8.7

測試環境 :

Robot Framework : python的2.x版本

Appium v1.6.4

UIAutomator : SDK版本需要大於16，SDK Tools版本需要大於21

Android ver.4以上

Android SDK

JDK 7

11 Role and Responsibilities

|  |  |
| --- | --- |
| **工作** | **人員** |
| 文件撰寫 | 劉彥麟、陳政皓、呂昭陞 |
| 測試案例設計 | 劉彥麟、陳政皓、呂昭陞 |
| 測試腳本撰寫 | 劉彥麟、陳政皓、呂昭陞 |

12 Staffing and Training

Appium、Robot Framework

13 Schedule and Milestones

|  |  |
| --- | --- |
| 2017/4/7 | Software Test Plan |
| 2017/05/15 | TCS,TDS |
| 2017/05/16 | Prepare for midterm |
| 2017/05/17 | midterm presentation |
| 2017/06/10 | Demo script |
| 2017/06/12 | Demo script |
| 2017/06/13 | Demo script |
| 2017/06/14 | Demo script |
| 2017/06/15 | Demo script |
| 2017/06/16 | Demo script,STP,TCS,TDS |

14 Risks and contingencies

None

15 Approvals

|  |  |  |
| --- | --- | --- |
| 測試人員 | Date | Hour |
| 劉彥麟,陳政皓,呂昭陞 | 4/7 | 2hr |
| 劉彥麟,陳政皓,呂昭陞 | 5/15 | 2 hr |
| 劉彥麟,陳政皓,呂昭陞 | 5/16 | 1.5 hr |
| 劉彥麟,陳政皓,呂昭陞 | 5/17 | 2 hr |
| 劉彥麟,陳政皓,呂昭陞 | 6/10 | 7 hr |
| 劉彥麟,陳政皓,呂昭陞 | 6/12 | 5 hr |
| 劉彥麟,陳政皓,呂昭陞 | 6/13 | 7 hr |
| 劉彥麟,陳政皓,呂昭陞 | 6/14 | 2 hr |
| 劉彥麟,陳政皓,呂昭陞 | 6/15 | 3 hr |
| 劉彥麟,陳政皓,呂昭陞 | 6/16 | 7 hr |
| Total:38.5hr | | |