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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

|  |  |
| --- | --- |
| Test Name | 建立帳戶 |
| Intent and purpose | 測試帳戶是否建立成功 |
| Software items and feature | 1. 關閉Sealnote並重新用所註冊密碼進入Sealnote。 2. 所註冊的密碼能進入主頁面 |

|  |  |
| --- | --- |
| Test Name | 密碼錯誤事件 |
| Intent and purpose | 測試密碼錯誤事件 |
| Software items and feature | 1. 會顯示出事件Toast :Invalid password !! |

|  |  |
| --- | --- |
| Test Name | Create new plain text |
| Intent and purpose | 確保note被建立成功 |
| Software items and feature | 可以在Dashboard看到新增的note |

|  |  |
| --- | --- |
| Test Name | Create note content |
| Intent and purpose | 確保新建的note內容與顯示的內容一致 |
| Software items and feature | 1.在dashboard上面可以看到新建的note 內容與創建的一致 |

|  |  |
| --- | --- |
| Test Name | Keep the input empty |
| Intent and purpose | 測試輸入空白欄位的事件 |
| Software items and feature | 1. 當title 和 note為空的時候顯示不能存取 |

|  |  |
| --- | --- |
| Test Name | Keep the credit input empty |
| Intent and purpose | 測試輸入空白欄位 |
| Software items and feature | 1. 單欄位都為空白的時候，顯示不能存取 |

|  |  |
| --- | --- |
| Test Name | Create new credit note |
| Intent and purpose | 輸入信用卡資訊並且成功新增 |
| Software items and feature | 1. 能夠看到主頁面上有新增的內容 |

|  |  |
| --- | --- |
| Test Name | Create credit card content |
| Intent and purpose | 確保新建的note內容與顯示的內容一致 |
| Software items and feature | 主頁面可以看到credit card內容與新增一致 |

|  |  |
| --- | --- |
| Test Name | 驗證對應信用卡的種類 |
| Intent and purpose | 總共分成三類(American express, visa, mastercard) |
| Software items and feature | 在畫面上可以看到出現對應的卡片種類 |

|  |  |
| --- | --- |
| Test Name | Create login note |
| Intent and purpose | 輸入信用卡資訊並且成功新增 |
| Software items and feature | 1. 能夠看到主頁面上有新增的內容 |

|  |  |
| --- | --- |
| Test Name | Create login content |
| Intent and purpose | 確保新建的login內容與顯示的內容一致 |
| Software items and feature | 1. 能夠看到主頁面上有新增的login |

|  |  |
| --- | --- |
| Test Name | 自動儲存 |
| Intent and purpose | 測試是否可以自動儲存文件 |
| Software items and feature | 新增資料後，不用按下儲存紐，回到主畫面即可看到新增的內容 |

|  |  |
| --- | --- |
| Test Name | 更換密碼 |
| Intent and purpose | 測試密碼是否有成功 |
| Software items and feature | 更新密碼之後可以用新密碼登入 |

|  |  |
| --- | --- |
| Test Name | Password timeout |
| Intent and purpose | 在時間內不操作此軟體，將會需要重新登入 |
| Software items and feature | 若跳出去此軟體或將螢幕關閉，並在設定的秒數內再次開起此軟體，將會需要重新登入 |

|  |  |
| --- | --- |
| Test Name | 出現刪除按鈕 |
| Intent and purpose | 測試會出現刪除按鈕 |
| Software items and feature | 針對note久壓會出現垃圾桶的刪除按鈕 |

|  |  |
| --- | --- |
| Test Name | 測試將單一note刪除 |
| Intent and purpose | 測試note有正確被刪除 |
| Software items and feature | 刪除的note後被放置trash裡 |

|  |  |
| --- | --- |
| Test Name | 測試將多個note刪除 |
| Intent and purpose | 測試多個note有正確被刪除 |
| Software items and feature | 刪除的note後被放置trash裡 |

|  |  |
| --- | --- |
| Test Name | 測試將已刪除note還原 |
| Intent and purpose | 測試已刪除note有正確被還原 |
| Software items and feature | 還原的note回到Notes資料夾下 |

|  |  |
| --- | --- |
| Test Name | 測試編輯tag |
| Intent and purpose | 測試note的tag被編輯後，有被正確顯示 |
| Software items and feature | tag會更新成編輯完的tag |

|  |  |
| --- | --- |
| Test Name | 測試分類tag |
| Intent and purpose | 測試note的tag，有被正確分類 |
| Software items and feature | 創建內容時，若在note上加上tag，可以在功能列上看到tag的分類資料夾  ，並可以在所屬之tag內看到分類的內容 |

|  |  |
| --- | --- |
| Test Name | 測試刪除tag |
| Intent and purpose | 測試note的tag被刪除後，分類tag的資料夾會被刪除，將會一併移除note上面的tag移除 |
| Software items and feature | tag會更新成編輯完的tag |

|  |  |
| --- | --- |
| Test Name | 最大創建note數量 |
| Intent and purpose | 測試最大創建note數量 |
| Software items and feature | 創建note若超過多少數量，對程式造成的影響 |

5 Features Not To Be Tested

|  |  |
| --- | --- |
| No. | Not To Be Tested |
| 01 | Secure window content |
| 02 | Notes view layout |
| 03 | Notes背景顏色 |
| 04 | 資料備份、還原 |
| 05 | Share note |

6 Test Approach

6.1測試工具

1. Appium

2. Android Studio IDE

6.2測試標準

* 需測試所有測試情境

7 Item Pass/Fail Criteria

* 要測試能抓取的所有資料，並且資料內容要符合預期
* 輸入資料後要得到預期的返回資料

8 Test Deliverables

1. Test Plan

2. Test Case

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 :

Appium : 1.0.0-beta.6

Android Studio: 2.2.

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、Android Studio

13 Schedule and Milestones

|  |  |
| --- | --- |
| 2017/4/7 | Software Test Plan |

14 Risks and contingencies

None

15 Approvals

|  |  |
| --- | --- |
| 測試人員 | Date |
| 劉彥麟 | 4/7 |
| 陳政皓 | 4/7 |
| 呂昭陞 | 4/7 |