**Software Testing and Verification**

**Software Test Plan**

**My Diary**

|  |  |  |
| --- | --- | --- |
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[*Identify and describe the features and functions that will be tested during the project. This should include functional and non-functional requirements.* *If appropriate, list which items are in scope for testing. This could include items such as the entire application, individual components, source files, etc.* 6](#_Toc512961169)

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[*Identify and explain why certain features and combinations of features will not be tested. If appropriate, list any applicable items that will not be available to the testing team. This could include items such as source code to third party applications, requirements documents from other companies, etc.* 6](#_Toc512961171)

[**6.** **Test Approach** 7](#_Toc512961172)

[*Describe the overall testing approach the project will use. For each major group of features or combinations of features, specify the approach that will ensure these feature groups are adequate tested. Specify major activities, types of testing, techniques, test criteria, and tools which are to be used to test the groups of features.* 7](#_Toc512961173)

[**7.** **Item Pass/Fail Criteria** 7](#_Toc512961174)

[*Specify the criteria to be used to determine whether each test item has passed or failed testing.* 7](#_Toc512961175)

[**8.** **Test Deliverables** 7](#_Toc512961176)

[*Identify the deliverable documents: test plan, test design specifications, test case specifications, test procedure specifications, test item transmittal reports, test logs, test incident reports, test summary reports.* 7](#_Toc512961177)

[**9.** **Testing Tasks** 7](#_Toc512961178)

[*Identify the set of tasks necessary to prepare for and perform testing. Identify all intertask dependencies and any special skills required.* 7](#_Toc512961179)

[**10.** **Environment Needs** 7](#_Toc512961180)

[*Specify necessary and desired properties of the test environment: physical characteristics of the facilities including hardware, communications and system software,  or supplies needed.* 7](#_Toc512961181)

[**11.** **Role and Responsibilities** 7](#_Toc512961182)

[*Identify groups responsible for managing, designing, preparing, executing, witnessing, checking and resolving.* *Identify groups responsible for providing the test items identified in the Test Items section.*  *Identify groups responsible for providing the environmental needs identified in the Environmental Needs section. Describe their roles and responsibilities.* 7](#_Toc512961183)

[**12.** **Staffing and Training** 7](#_Toc512961184)

[*Specify staffing needs by skill level. Identify training options for providing necessary skills.* 8](#_Toc512961185)

[**13.** **Schedule and Milestones** 8](#_Toc512961186)

[*Describe the test milestones on the project.* *Estimate time required to do each testing task. Schedule all testing tasks and test milestones.* 8](#_Toc512961187)

[**14.** **Risks and contingencies** 8](#_Toc512961188)

[*Identify the high-risk assumptions of the test plan. Specify contingency plans for each (e.g., delayed delivery of test items might require increased night shift scheduling to meet the delivery date).* 8](#_Toc512961189)

[**15.** **Approvals** 8](#_Toc512961190)

[*Specify the names and titles of all persons who must approve this plan. Provide space for the signatures and dates.* 8](#_Toc512961191)

1. **Test Plan Identifier**

|  |  |
| --- | --- |
| Test Case ID | Description |
| TC-01 | 新增主題 |
| TC-02 | 修改主題 |
| TC-03 | 刪除主題 |
| TC-04 | 搜尋主題 |
| TC-05 | 新增日記 |
| TC-06 | 修改日記 |
| TC-07 | 刪除日記 |
| TC-08 | 清除日記內容 |
| TC-09 | 修改使用者名稱 |
| TC-10 | 設定安全鎖 |
| TC-11 | 移除安全鎖 |
| TC-12 | 匯入檔案 |
| TC-13 | 匯出檔案 |
| TC-14 | 變更語系 |

1. **Introduction and References**

Android application : [My diary](https://play.google.com/store/apps/details?id=com.kiminonawa.mydiary)

撰寫自動化測試腳本，測試My diary主要的基本功能，並產生測試結果報表，以評估My diary基本功能是否正常運作。

1. **Test Items**

|  |  |  |
| --- | --- | --- |
| Test Case ID | Description | Input |
| TC-01 | 新增主題 | 1. 運行App 2. 點選右下角"齒輪" 3. 點選左下角"+" 4. 輸入主題名稱 5. 選擇文字顏色 6. 選擇類別 7. 按下確定 |
| TC-02 | 修改主題 | 1. 運行App 2. 在欲修改的主題上向右拖曳直到icon出現 3. 點擊修改icon 4. 修改欲修改項目 5. 按下確定 |
| TC-03 | 刪除主題 | 1. 運行App 2. 在欲修改的主題上向右拖曳直到icon出現 3. 點擊刪除icon 4. 按下確定 |
| TC-04 | 搜尋主題 | 1. 運行App 2. 點擊主畫面下方輸入框 3. 輸入欲搜尋主題 4. 按下打勾 |
| TC-05 | 新增日記 | 1. 運行App 2. 點選日記主題 3. 點選上方"日記"分頁 4. 選擇日期 5. 輸入日記標題 6. 選擇天氣及心情 7. 輸入內容 8. 按下右下角儲存按鈕 |
| TC-06 | 修改日記 | 1. 運行App 2. 點選日記主題 3. 點選下方編輯按鈕 4. 點選欲編輯日記 5. 輸入欲編輯內容 6. 按下右下角儲存按鈕 |
| TC-07 | 刪除日記 | 1. 運行App 2. 點選日記主題 3. 點選下方編輯按鈕 4. 點選欲刪除日記 5. 按下右下角刪除按鈕 6. 按下確定 |
| TC-08 | 清除日記內容 | 1. 運行App 2. 點選日記主題 3. 點選上方"日記"分頁 4. 選擇日期 5. 輸入日記標題 6. 選擇天氣及心情 7. 輸入內容 8. 按下右下角清除按鈕 |
| TC-09 | 修改使用者名稱 | 1. 運行App 2. 點選上方使用者頭像 3. 輸入欲更改名稱 4. 按下確定 |
| TC-10 | 設定安全鎖 | 1. 運行App 2. 點選右下角"齒輪" 3. 點選下方"安全鎖"icon 4. 輸入欲設定密碼 5. 再次輸入密碼 |
| TC-11 | 移除安全鎖 | 1. 運行App 2. 點選右下角"齒輪" 3. 點選下方"安全鎖"icon 4. 輸入欲設定密碼 5. 再次輸入密碼 6. 關閉App 7. 再次運行App 8. 輸入密碼 9. 點選右下角"齒輪" 10. 點選下方"安全鎖"icon 11. 輸入密碼 |
| TC-12 | 匯入檔案 | 1. 運行App 2. 點選右下角"齒輪" 3. 點選下方"雲朵"icon 4. 選擇匯入檔案路徑 5. 點選確定 6. 點選匯入 |
| TC-13 | 匯出檔案 | 1. 運行App 2. 點選右下角"齒輪" 3. 點選下方"雲朵"icon 4. 選擇匯出檔案路徑 5. 點選確定 6. 點選匯出 |

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