Document Identification

**SIMPLE NOTEPADS MOBILE APP SOFTWARE REQUIREMENT SPECIFICATION**

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# Requirements

## Required Display and Behavior

### Home Screen

#### Display First Time

|  |  |  |
| --- | --- | --- |
| **ID** | **Contents** | **Configuration** |
| SRS-01 | When the app is opened for the first time, the app **shall** display the Home Screen with the following:   * Add new note option. * Text with the message “Create a new note!” in the middle of the screen. * Arrow pointing at the Add new note button. | Android App |

#### Display When Note Is Available

|  |  |  |
| --- | --- | --- |
| **ID** | **Contents** | **Configuration** |
| SRS-02 | When displaying the Home Screen and notes are available, the app **shall** display the Home Screen with the following:   * Add new note option. * Notes available. | Android App |

#### Notes Display

|  |  |  |
| --- | --- | --- |
| **ID** | **Contents** | **Configuration** |
| SRS-03 | When displaying the Home Screen and notes are available, the app **shall** display the notes with the following:   * Note element background. * Note title. * Note content. | Android App |

#### Notes Displayed After Delete (Notes Available)

|  |  |  |
| --- | --- | --- |
| **ID** | **Contents** | **Configuration** |
| SRS-04 | When displaying the Home Screen after deleting a note and there are notes available to show, the app **shall** display the notes left. | Android App |

#### Notes Displayed After Delete (Notes Unavailable)

|  |  |  |
| --- | --- | --- |
| **ID** | **Contents** | **Configuration** |
| SRS-05 | When displaying the Home Screen after deleting a note and there are **NOT** notes available to show, the app **shall** display the Home Screen as **SRS-01**. | Android App |

#### Notes Displayed After Editing

|  |  |  |
| --- | --- | --- |
| **ID** | **Contents** | **Configuration** |
| SRS-06 | When displaying the Home Screen after editing a note, the app **shall** display the notes edited with the following:   * Note element background. * Updated note title (If edited). * Updated note content (If edited). | Android App |

#### Notes Scrollable Display

|  |  |  |
| --- | --- | --- |
| **ID** | **Contents** | **Configuration** |
| SRS-07 | When displaying the Home Screen and the following conditions are met:   * Notes are available. * Quantity of notes surpasses the screen height available on the device.   The app **shall** let the user navigate through the Home Screen to display the hidden notes available with a scrollable screen. | Android App |

### New Note Screen

#### Display New Note Screen

|  |  |  |
| --- | --- | --- |
| **ID** | **Contents** | **Configuration** |
| SRS-08 | When displaying the New Note screen, the app **shall** display the following:   * Screen title text “New Note” * A calculator option. * Note title field. * Note content field. * A disabled save option. | Android App |

#### Note Title Field Text

|  |  |  |
| --- | --- | --- |
| **ID** | **Contents** | **Configuration** |
| SRS-09 | When displaying the New Note screen, and the Note Title field has been filled with any quantity of text, the app **shall** display this field text on screen. | Android App |

#### Note Content Field Text

|  |  |  |
| --- | --- | --- |
| **ID** | **Contents** | **Configuration** |
| SRS-10 | When displaying the New Note screen, and the Note Content field has been filled with any quantity of text, the app **shall** display this field text on screen. | Android App |

#### New Note Save Option Availability

|  |  |  |
| --- | --- | --- |
| **ID** | **Contents** | **Configuration** |
| SRS-11 | When displaying the New Note screen, and the following conditions are met:   * Note Title field contains text characters. * Note Content field contains text characters.   The app **shall** enable the Save Option. | Android App |

#### New Note Save Option Available

|  |  |  |
| --- | --- | --- |
| **ID** | **Contents** | **Configuration** |
| SRS-12 | When displaying the New Note screen, if the Save Option is tap and it is available, the app **shall** save the Note Title and the Note Content.  NOTE: After saving the Note, the app **shall** navigate back to the Home Screen and behave as **SRS-02** and **SRS-03**. | Android App |

#### New Note Save Option Unavailable

|  |  |  |
| --- | --- | --- |
| **ID** | **Contents** | **Configuration** |
| SRS-13 | When displaying the New Note screen, if the Save Option is tap and it is unavailable, the app **shall** stay in the New Note screen and not save the Note Title nor the Note Content. | Android App |

#### New Note Discard

|  |  |  |
| --- | --- | --- |
| **ID** | **Contents** | **Configuration** |
| SRS-14 | When displaying the New Note screen, if navigating back to the Home Screen is attempted, the app **shall** display the following:   * Warning Notification. * Accept button to discard the Note creation. * Cancel button to stay on the New Note screen. | Android App |

#### New Note Discard Accepted

|  |  |  |
| --- | --- | --- |
| **ID** | **Contents** | **Configuration** |
| SRS-15 | When displaying the New Note screen, and the Discard Note Warning Notification is active, if the Accept button is tap, the app shall discard the Note creation.  NOTE: After discarding the Note Edit, the app **shall** navigate back to the Home Screen and behave as **SRS-02** and **SRS-03 (SRS-01 if there are not notes available)**. | Android App |

#### New Note Discard Cancelled

|  |  |  |
| --- | --- | --- |
| **ID** | **Contents** | **Configuration** |
| SRS-16 | When displaying the New Note screen, and the Discard Note Warning Notification is active, if the Cancel button is tap, the app **shall** stay in the New Note screen and not Discard the Note creation. | Android App |

### Edit/Delete Note Screen

#### Display Edit Note Screen

|  |  |  |
| --- | --- | --- |
| **ID** | **Contents** | **Configuration** |
| SRS-17 | When displaying the Edit Note screen, the app **shall** display the following:   * Screen title text “Edit Note” * A calculator option. * Note title field with Note title. * Note content field with Note content. * A disabled save option. * A delete option. | Android App |

#### Note Title Screen Text

|  |  |  |
| --- | --- | --- |
| **ID** | **Contents** | **Configuration** |
| SRS-18 | When displaying the Edit Note screen, and the Note Title field has been edited with any quantity of text, the app **shall** display this field text on screen. | Android App |

#### Note Content Screen Text

|  |  |  |
| --- | --- | --- |
| **ID** | **Contents** | **Configuration** |
| SRS-19 | When displaying the Edit Note screen, and the Note Content field has been edited with any quantity of text, the app **shall** display this field text on screen. | Android App |

#### Edit Note Save Option Availability

|  |  |  |
| --- | --- | --- |
| **ID** | **Contents** | **Configuration** |
| SRS-20 | When displaying the Edit Note screen, and ONE of the following conditions are met:   * Note Title field contains different characters than the original title. * Note Content field contains different characters than the original content.   The app **shall** enable the Save Option. | Android App |

#### Edit Note Save Option Available

|  |  |  |
| --- | --- | --- |
| **ID** | **Contents** | **Configuration** |
| SRS-21 | When displaying the Edit Note screen, if the Save Option is tap and it is available, the app **shall** update the Note Title and/or the Note Content.  NOTE: After saving the Note, the app **shall** navigate back to the Home Screen and behave as **SRS-06**. | Android App |

#### Edit Note Save Option Unavailable

|  |  |  |
| --- | --- | --- |
| **ID** | **Contents** | **Configuration** |
| SRS-22 | When displaying the Edit Note screen, if the Save Option is tap and it is unavailable, the app **shall** stay in the Edit Note screen and not update the Note Title nor the Note Content. | Android App |

#### Delete Option Availability

|  |  |  |
| --- | --- | --- |
| **ID** | **Contents** | **Configuration** |
| SRS-23 | When displaying the Edit Note screen, the app **shall** display the Delete Option as enabled. | Android App |

#### Delete Option Selected

|  |  |  |
| --- | --- | --- |
| **ID** | **Contents** | **Configuration** |
| SRS-24 | When displaying the Edit Note screen, and the Delete Option is tap, the app shall display the following:   * Warning Notification. * Accept button to delete the Note. * Cancel button to stay on the Edit Note screen. | Android App |

#### Delete Option Accepted

|  |  |  |
| --- | --- | --- |
| **ID** | **Contents** | **Configuration** |
| SRS-25 | When displaying the Edit Note screen, and the Delete Warning Notification is active, if the Accept button is tap, the app shall delete the Note.  NOTE: After deleting the Note, the app **shall** navigate back to the Home Screen and behave as **SRS-04** and **SRS-05**. | Android App |

#### Delete Option Cancelled

|  |  |  |
| --- | --- | --- |
| **ID** | **Contents** | **Configuration** |
| SRS-26 | When displaying the Edit Note screen, and the Delete Warning Notification is active, if the Cancel button is tap, the app **shall** stay in the Edit Note screen and not delete the Note. | Android App |

#### Edit Note Discard

|  |  |  |
| --- | --- | --- |
| **ID** | **Contents** | **Configuration** |
| SRS-27 | When displaying the Edit Note screen, if navigating back to the Home Screen is attempted, the app **shall** display the following:   * Warning Notification. * Accept button to discard the Note changes. * Cancel button to stay on the Edit Note screen. | Android App |

#### Edit Note Discard Accepted

|  |  |  |
| --- | --- | --- |
| **ID** | **Contents** | **Configuration** |
| SRS-28 | When displaying the Edit Note screen, and the Discard Note Warning Notification is active, if the Accept button is tap, the app shall discard the Note changes.  NOTE: After discarding the Note Edit, the app **shall** navigate back to the Home Screen and behave as **SRS-02** and **SRS-03**. | Android App |

#### Edit Note Discard Cancelled

|  |  |  |
| --- | --- | --- |
| **ID** | **Contents** | **Configuration** |
| SRS-29 | When displaying the Edit Note screen, and the Discard Note Warning Notification is active, if the Cancel button is tap, the app **shall** stay in the Edit Note screen and not Discard the Note Edit. | Android App |

### Calculator Option

#### Calculator Availability

|  |  |  |
| --- | --- | --- |
| **ID** | **Contents** | **Configuration** |
| SRS-30 | When displaying the Edit Note screen or the New Note screen, the app **shall** display the Calculator Option as enabled. | Android App |

#### Calculator Option Selected

|  |  |  |
| --- | --- | --- |
| **ID** | **Contents** | **Configuration** |
| SRS-31 | When displaying the Edit Note screen or the New Note screen, and the Calculator Option is tap, the app **shall** save the screen state and display the Calculator on screen. | Android App |

#### Calculator Display

|  |  |  |
| --- | --- | --- |
| **ID** | **Contents** | **Configuration** |
| SRS-32 | When the Calculator is displayed on screen, it **shall** display the following:   * Screen to show the operations and results. * Numbers from 0 to 9. * Operators. * Clear screen button. | Android App |

#### Calculator Operations

|  |  |  |
| --- | --- | --- |
| **ID** | **Contents** | **Configuration** |
| SRS-33 | When the Calculator is displayed on screen, it **shall** be able to do the following operations:   * Addition (+). * Subtraction (-). * Division (/). * Multiplication (\*). | Android App |

#### Calculator Discarded

|  |  |  |
| --- | --- | --- |
| **ID** | **Contents** | **Configuration** |
| SRS-34 | When the Calculator is displayed on screen, if navigating back to the Home Screen is attempted, the app **shall** hide the Calculator and display the Edit Note screen or the New Note screen recovering their saved state. | Android App |

### App Responsiveness

#### App SDK Compatibility

|  |  |  |
| --- | --- | --- |
| **ID** | **Contents** | **Configuration** |
| SRS-35 | The app SDK compatibility **shall** be at minimum 29 (Android 10) and the target **shall** be 33 (Android 13). | Android App |

#### App Night Mode Responsiveness

|  |  |  |
| --- | --- | --- |
| **ID** | **Contents** | **Configuration** |
| SRS-36 | The app theme **shall not** be modified by the device night/dark mode setting. | Android App |

#### App Orientation Responsiveness

|  |  |  |
| --- | --- | --- |
| **ID** | **Contents** | **Configuration** |
| SRS-37 | The app orientation **shall not** be modified by the device orientation mode setting. | Android App |

#### App Elements Ratio

|  |  |  |
| --- | --- | --- |
| **ID** | **Contents** | **Configuration** |
| SRS-38 | The app elements **shall not** be affected in a negative way by the device display ratio. | Android App |

#### App Stability

|  |  |  |
| --- | --- | --- |
| **ID** | **Contents** | **Configuration** |
| SRS-39 | The app **shall** be stable enough to not crash at any (Or almost any) circumstance. | Android App |