Release Note

Release Date: Mar 09, 2023

Version Number: 2.0.0

Details for Major Changes Included

- Persist data locally
  - Added persistence layer in order to save data locally and re-access notes, groups, and configurations beyond application runtime
  - Achieved by serializing desired data and converting to json to store in set json save files whenever save operations are executed. These files are then re-loaded to persist data should the application be opened locally again
- Directly adding notes to a group
  - In this release, the user is able to add a note directly inside a group by clicking a group or a note under a group and selecting "Add Note" in the menu. The group will be expanded if needed and the selection will point to the newly created note.
- Lock/unlock notes
  - In this release, the user is able to lock or unlock a note. They can do this either through the menu bar or by right-clicking the note that they want to lock.
  - Lock note
    - When they lock a note for the first time, they must input a password and they can choose to input a hint for this password.

- - - All invalid passwords will lead to a warning and the user needs to re-enter a valid password
    - If they have entered the password for a note previously, then they just need to click "lock note" and the note will be locked. No contents will be shown until the note is unlocked
  - Unlock note
    - When the user clicks "unlock note", they will be asked to input the password they set for this note with the hint presented. If they input the correct password, the note will be unlocked. Otherwise, they will be asked to enter the password again.
- Put notes into a group
  - In this release, the user is able to choose related notes and put them into a group.
    - If they want to put those notes into an existing group, they can select that group from the dropdown list and add the notes to that group
    - If they want to put those notes into a group that does not exist, they can create that group first directly from the pop up and then add the notes to that newly created group
- Search notes by title/body contents
  - In this release, the user can type in the search bar and search notes by title or by content or both. They can then exit search by clicking the cross button in the search bar.
  - The user can switch between different search options under the "Search" menu. There are three options available: search all, search by title, and search by content. An underline will appear for the currently selected search option. The search bar will show a different

border style after choosing a search option to indicate focus, if the search bar is not focused previously. The placeholder text in the search bar will change according to the search option selected.

- ○ If the user enters nothing in the search bar, the search will not be performed.
- ○ Once a search is performed, the file list on the left side of the application will update to show a list (or two lists if search all) of notes. The user can edit and save notes while other operations are disabled.
- ○ The user can exit search any time by clicking the cross button in the search bar.

- Sort note list by title, last modified date, or date created
  - ○ In this release, the user can sort notes by title, last modified date and date created. They can choose which order to sort, ascending or descending, and they can specify the group under which notes will be sorted.
  - ○ By clicking "Sort Notes" under Notes menu, the user is provided a pop-up window to adjust their sort options (by title, by last modified date, or by date created), sort orders, and sort ranges (sort all notes, sort notes under all groups, sort all ungrouped notes, and sort notes under a specific group).
  - ○ If the user clicks again the "Sort Notes", the sort settings will remain the same as last time and the user can adjust them again.

- Rename a group
  - ○ In this release, the user can rename an existing group to a valid string that is not empty or a duplicate of an already existing group name including itself.

- The user can select the dropdown menu from groups and select rename groups to rename one group at a time. If the rename is unsuccessful, an error will popup and the user must go through the process again if they still wish to rename a group.

List of Known Issues / Limits

1. Currently, the user cannot move the notes between groups. This functionality will be supported in the next sprint.