**Documentation for Senscio Systems Document Repository**

Version 1 – August 20, 2017

Known Bugs/Idiot-proof Problems:

* If you are logged in with a non- Senscio Systems email before redirecting the repository, you will remain logged in which conflicts with the rendering and will not let you view anything, including public.
* You can upload files and add folders if you are not logged in, which is a bug because you need to determine ownership in some way. To solve: create an if/else statement checking for the email, and alerting the user that they need to log in to trigger those actions.
* Date last modified will not compile properly if the first inputted date is after the second inputted date
* Try/catch all other errors. If there is an error, the program crashes.

My Account

The My Account tab is visible on all tabs on the website. There is a button that allows users to sign in using Google. This information is what will allow them to view additional files outside of the public directory. It will also allow them to upload their own files. The sign-out button signs you out of the session.

Repository

Location on the website where the user will be able to view the location of and download the documents they have access too. In addition, if they are the owner of a directory, they will be able to modify permissions.

1. *Tree* – A expandable and collapsible tree of all of the documents and directories visible and accessible by the user.
   1. The public directory as well as subdirectories of the public directory cannot be shared with or exclude any user, because it is open to anyone viewing the website.
   2. If logged in, the user can view any folders or files that they own or that were shared with them. They will appear outside of public.
2. *Share Preferences* – A button that will allow the owner of a folder to either add or remove viewing permissions. Only the owner will be allowed to do so. If someone who is not the owner attempts to change share preferences, they will be alerted that they do not have permission to change share preferences.
   1. If someone does not have access to directory A but is given access to subdirectory A of directory A, subdirectory A will appear on the same level as directory A, not nested underneath directory A.
3. *View Permissions* – Anyone that can view a file or folder can view the permissions of the selected object. When checking within the public directory, it will alert the user that everyone has access to that file/folder.
4. *Hide All Files/Show All Files* – When triggered, the tree will either remove all files or render all files from view.
5. *Delete A File* – To delete, the user must first click on the file or empty directory that they want to delete. To delete a file, they must be the owner of the file. To delete a directory, they need to be the owner of the directory and the directory must be empty.
6. *Download* – The user must trigger select the file then press download to download a file. They can only download files, NOT folders or directories.

Upload

Upload will allow you to upload 1 or more files to the document repository. Choosing a File is REQUIRED. If no location is chosen, the files will be placed on the same level as the public directory. Any documents accepted in the mime types under the searchnode can be uploaded. This includes readable/writable documents, compressed files, audio files, video files, and images

1. *Choose File* – You can select 1+ files, but not folders.
2. *Choose Location* – Creates a modal with the tree to select the location. The tree is similar to that found in the repository tree
   1. *Hide all Files/Show all Files* – When triggered, the tree will either remove all files or render all files from view.
   2. *Add a Folder* – You can create a directory on the same level as public or in subdirectories. To create a subdirectory, you need to click on the folder that will be its parent directory.
      1. Input folder name and the FULL email of each person who can view the folder and its contents. Separate emails by commas
3. *Key Terms* – Key terms associated with the uploaded file(s)

Search

Search allows you to search the contents of all readable/writable documents, as well as the file names and key terms of the documents. Search results will appear from public unless logged in.

1. *Terms* – Terms that the user wants to search for. These can be one word or a string of words.
2. *Extensions* – Narrow search results by file type. NOTE: the program will not render both doc and docx if the user inputs doc only. You would have to input both into the text field.
3. *Date last modified –* Narrow search results by the date last modified.
4. *Number of Hits –* Default number of hits is 20. If a number is inputted that is larger than the total number of hits, it will show just the total found hits.
5. *Download Icon –* Pressing the icon will download the file to the user’s computer.

**How to Use Version 1**

1. Make sure that all of the Constants are directed to the correct paths and the correct MySQL database. This is important. Also check the upload.html, repository.html, and searchnode.js to ensure that everything is directed to the correct paths.
2. The files folder under test-project is where all of the files that are searched and indexed are stored. If this file is populated with items and were put in there not through the interface, make sure to:
   1. Run the Index JavaScript to index all of the documents
   2. Run FixDirectory to ensure that all of the populated in the MySQL database
   3. Grant proper permissions manually:
      1. (0) – No permission to view
      2. (1) – Permission to view
      3. (2) – Owner
3. Run Server\_Socket
4. Run searchnode.js
5. Currently, the website is hosted on localhttp://8888
6. There is no index.html
7. Change the Google API Client ID and Client Secret if necessary. Currently, it is going to one that my (Gina) account made for testing purposes. Changing the location of the website will change the Google API, so just make a new one when necessary and edit in all possible locations.