Phase 1 End Project: Virtual Key for Repositories

https://github.com/Karthiga-web/virtualKeyForRepositories.git is the repository link for my Lockedme.com project in GitHub.

Algorithm:

1. Display the welcome screen with developer details, name of the project etc.
2. Display the first user interaction screen with options to navigate and to do operations.
3. First option is to display all the files in the existing virtual repository, second option is to display the second user interaction screen and third option to exit the application.
4. Ask the user to enter an option to proceed.
5. If the user enters correct option, proceed. Else, display an error message.
6. If the user chooses the first option, display all the files in the existing virtual repository in ascending order.
7. The files from the sub-folders are collected and displayed.
8. Stream and Sorted methods are used to sort the files in ascending order.
9. The first user interaction screen again appears for the user to proceed.
10. If the user chooses second option, then display the second user interaction screen that allows the user to do add, search, delete operations.
11. This screen has 4 options, 1 - to add files to the existing virtual repository, 2 – to delete files from the existing virtual repository, 3 – to search files in the existing virtual repository and 4 – to navigate back to the first user interaction screen.
12. If the user chooses the 1st option, then ask the user to enter the file path of the file to be added.
13. The file is added to the existing virtual repository and message is displayed that file is added.
14. If user enter wrong file name or path, then error message is displayed.
15. Again, second user interaction screen is displayed for the user to proceed.
16. If the user chooses 2nd option, then ask the user to enter the filename to delete.
17. The file is deleted from the existing virtual repository and message is displayed that file is deleted.
18. If user enter wrong file name, then error message is displayed.
19. Again, second user interaction screen is displayed for the user to proceed.
20. If the user chooses 3rd option, then ask the user to enter the filename to search.
21. The file is searched in the existing virtual repository and message is displayed that file is found if file exists.

22. If file does not exist, then file does not exist message is displayed.
23. If user enter wrong file name, then error message is displayed.
24. If the user chooses 4th option, then the first user interaction screen is displayed for the user to proceed.
25. If the user enters correct option, proceed. Else, display an error message.
26. If the user chooses third option, a message is displayed thanking the user for using the application.
27. A separate class is created for storing all the constants for better usage and code redundancy.