<u>Project Phase – 1</u>

Virtual Key for Your Repositories Locked.IN

Project details:

This is a console based java application that can list (in ascending order) create, delete and search for files. It does not crash and provides options to exit.

Developer detail's:

This Project is Developed by Aman Garg.

USES CASES:

.The main usage is, that we can add file, delete, search and list file in very efficient way by using nio file classes.

Link to the GitHub Repository:

https://github.com/Virtual-Key-for-Repository/Aman-Garg-Project1.git

Sprint 1:

- 1. Design FlowChart of the program
- 2. Add One Feature: Display Files on Console In Ascending Order
- 3. Add the First Feature code in Github

Sprint 2:

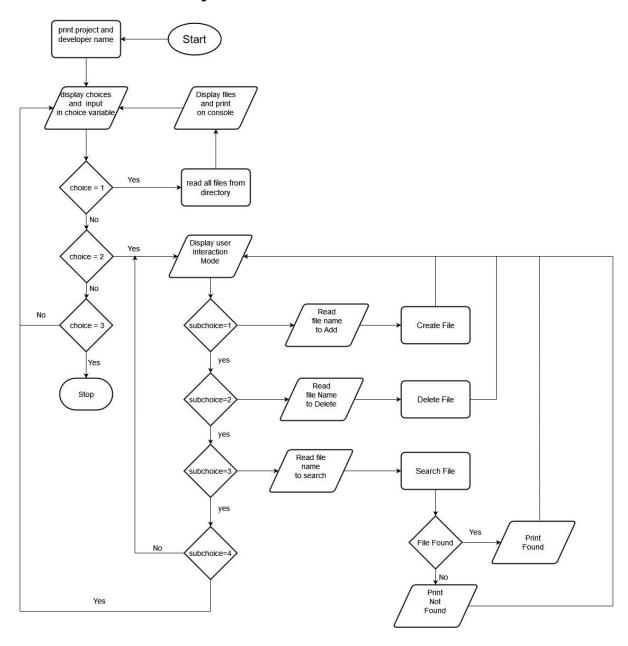
Second Feautre: User Interaction Mode

- a. Create File Method
- b. Search File Method
- c. Delete File Method
- d.Option For main Menu
- 2. Exit Option

Algorithm:

- 1) Start
- 2) Print Options to list, manage files and exit
- 3) If choice is 1
- a) Read all files in the directory
- b) Sort files in ascending order using Arrays.Sort
- c) Print all the files
- 4) If the choice is 2
- a) Print Options to add, search and delete files
- b) If the subchoice is 1
- i) Accept file name from the user
- ii) Create a new file with that name
- c) If the subchoice is 2
- i) Accept file name from the user
- ii) Delete the file with that name
- d) If the subchoice is 3
- i) Accept file name from the user
- ii) Search for file with that name
- iii) If file found print file name
- iv) Else print Not found
- e) If the subchoice is 4 goto 2
- 5) If the choice is 3 goto 7
- 6) Stop

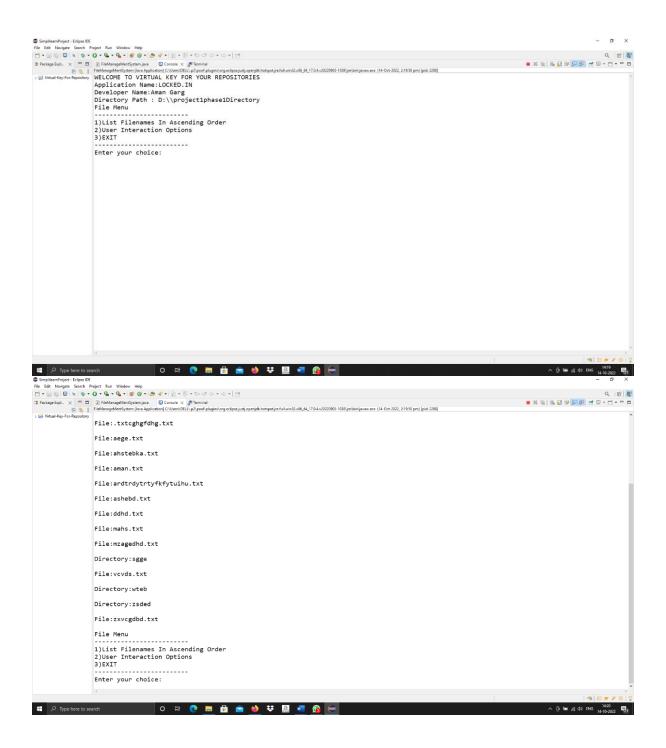
Flowchart of the System:

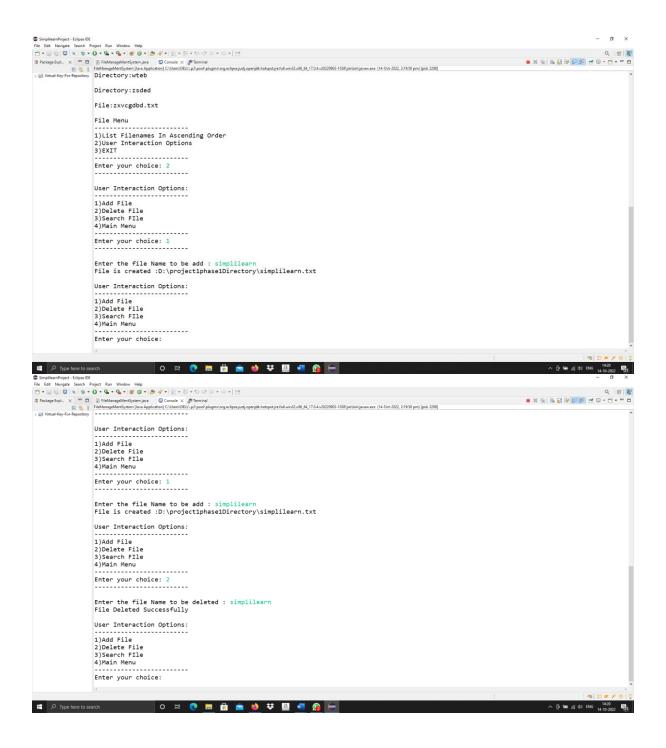


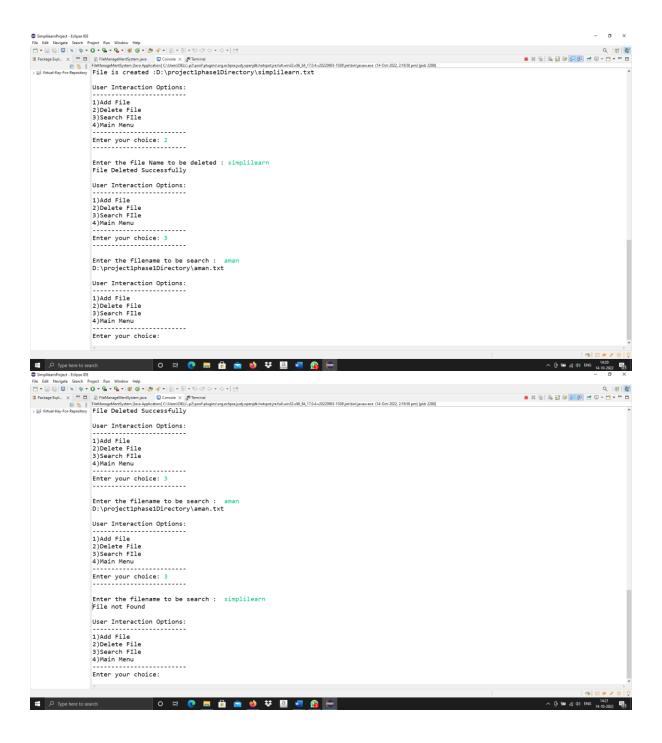
Concepts Implemented:

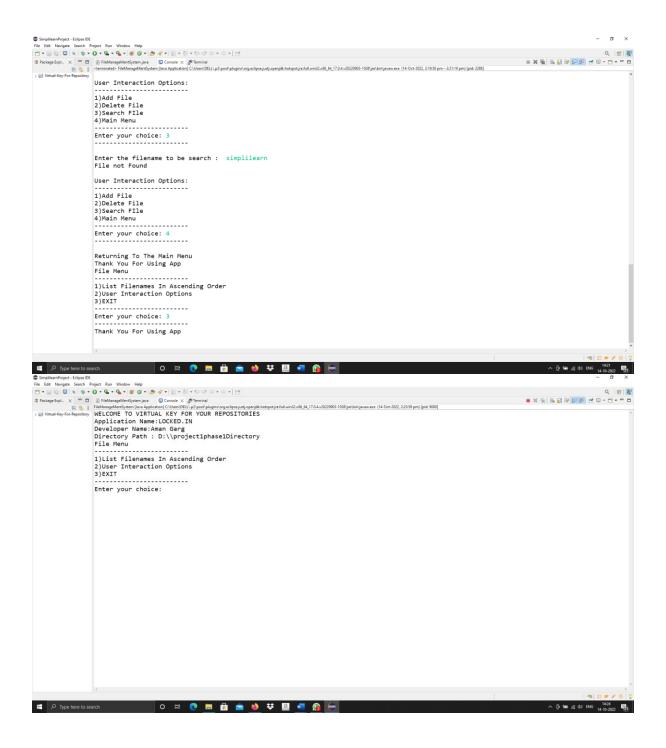
- 1.Encapsulation
- 2. Switch Case
- 3.Do While Loop
- 4.Exception Handling
- 5. Use OF NIO File Classes
- 6. Use OF Try Catch Block
- 7. Use Of throw IOEXCEPTION
- 8. Use of IO File Classes

♦ SCREENSHOTS OF PROGRAM OUTPUT:









Conclusion:

The file management System was created using the implement the pillars of the OOPS. Best practices were followed as and when possible. All exceptions are handled. Some Exceptions are handled using Custom exception classes. The throws keywordswere used to handle exceptions. Arrays.sort class method used to sort the file In ascending order and whole project is integrated git and github by which it can easily be update any code in very ease