

Documentation:

1. Project and Developer Details:

Product capabilities:

The product can able to perform operations on files :

1. Retrieving the file names in ascending order
2. To perform business level operations such as
 - a. Adding files to the given directory.
 - b. Deleting files from the given directory.
 - c. Searching a file
3. Exit from the application.

Sprints duration:

Sprint 1:

Planning and design how to approach the task

- Build flow chart
- Build welcome screen
- Add app name and developers details
- Show main menu
- Support closing the application

Sprint 2:

Must have running app by end of the sprint

- 1.main menu(files in ascending order)
- 2.file operations

File operations menu

1. Add a file
 2. Delete a file
 3. Search a file
- Back to main menu

Java concepts used:

1. File handling

2. Sorting
3. Regex expressions
4. Collections
5. Constructors
6. Methods
7. Loops and if else statements
8. Objects
9. Exception handling
10. Searching

Developer Details:

Name: Niladri Chowdhury
Country of Origin: India

Algorithm:

Java packages (Package Name: com.project.lockedme)

Public class name (Define the class)

Display:

- 1.application name and developers name
- 2.user interface options and user can select any one option

User interface options

- 1.Retrieve the file names in ascending order.
- 2.business level operations
- 3.close the applications.

Switch to option selected by user:

Case 1:

- 1.display file names in ascending order in the given directory
2. Files not found in case of empty in the respective directory
- 3.Back to user interface options

4.break

Case 2:

Display menu of business level operations :

1.add a file

2.delete a file

3.search for a file

4.back to menu of business level

Switch to user selected cases

Case 1:

1.create a file and add to the existing directory with user given name

2.case sensitive of the file names are ignored

3.back to business level menu

4.break

Case 2:

1.enter the file name to be deleted case sensitivity is present

2.if file is present then delete the file and display file deleted successfully

3.file not present in the given directory then display file not present.

4.back to business level menu

5.break

Case 3:

1.enter the file name in order to search case sensitivity is present

2.if file found then display file found at respective directory.

3.else display file not found exception.

4.back to business level menu

5.break

Case 4:

1.back to user interface options.

2.break

Default:

1.display invalid input.

2.back to business level menu

3.break

End switch block of business level

Case 3:

1.close the application.

2.break

Default:

1.invalid user input

2.back to user interface options

3.break

End to switch block of user interface options

Program Ends

Flowchart:

