PROTOTYPE : LOCKEDME.COM

Project and Developer Details:

Project Name: LockedMe.com

Developer Name: Ganapathi N

Git Hub Link: https://github.com/vickyrio/Phase-1/tree/master

Sprints Planning and Task:

The project is planned and completed in 3 sprints. Tasks achieved in the sprints are:

* Design the applications as per client requirements
* Developed an application in java with functionalities provided by the user
* Checked every functions in the application by user input.
* Exceptions and error has been found and fixed again
* Tested repeatedly with different kind of user input
* Final code has been uploaded in git hub repository

Algorithm and Flow Chart:

1. Start the Application
2. It will display the application and developer name along with the generic features of the application
3. Enter any option which listed in the screen. Options are:

* 1) Retrieve all the files inside File folder
* 2) Display menu for file features
* 3) Exit application

1. If user selects option 1

* It will list display all the files with directory structure and in ascending order
* It will display all the files in a list in ascending order.

1. If user selects option 2

* It will display menu options of all the file features. Options are :

1) Add a file to File Folder

2) Delete a file from file folder

3) Search a file from file folder

4) Go to previous menu

5) Exit Application

6. If user selects 1) add a file to File Folder

* It will ask the user to create a file name without spaces
* After created file name , it will ask the user input data for the created file
* If user enter y, then it will allow to feed the data into the file
* If user enter n, then it will creates a file without data.

1. If user selects 2)Delete a file from the folder

* It will ask user to enter the file name needed to be deleted.
* It will show the file location along with the path
* It will ask user to enter the index of the above displayed file to delete it.
* If user enter 0 , it will delete all the files
* If user enter the index of needed file then the particular file will be deleted.it will display the file name deleted successfully
* Or else it will display failed to delete.

1. If user selects 3) Search a file from file folder

* It will ask the user to enter the name of the file to be searched
* If file not found , it will display File Not Found
* Or else it will display the file along with the file found path.

1. If user selects 4)Go to Previous Menu

* It will return the case to the starting menu of the application.
* If user selects option 3) Exit Application. it will close the application then shows application exists successfully.

1. If user selects 5)Exit Application

* System will close the application abruptly and will display application exists successfully.

**FLOW CHART:**



Core Concepts:

* Collections Framework
* Sorting techniques
* File Handling
* Recursion
* Exception Handling
* Array List
* Scanner
* List
* Streams API

Unique Selling Points:

* User can create their own file and sub folder file with any extension. It allows the user to feed the data into the file while creation. It helps user to **prevent empty file creation**.
* To Exit the application, specific options are provided in each menu. It **reduces the risk of Application Auto termination**.
* It allows you to specify the index of the file needed to be deleted even when the file searched through name and specify options for user to delete all the files.
* User can seamlessly switch to all the menu options provided without any delay.
* Display all the files and sub files in folder in ascending order

Conclusion:

* Improvise the file creation with password protection while creation.
* File search can be improved by searching the all the file with same extension and files starts with same alphabet.
* Appending file data and creating a new file from it.
* Files which are last modified can be displayed which helps to find the recently modified file easily.