

# LOCKEDME.COM

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PROJECT NAME: - LOCKEDME.COM

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## ➤ Overview

The project name LockedMe.com was divided in to 2 Sprints of 1 week each. And for each Sprint what we have done is shown below.

## ➤ Sprint

1st Sprint: -

1. Created a class which has method to take input from user and create a file.
2. Created method in to same class to display all file stored into given directory.
3. Created a method to search the file input given by user.
4. Created a main method which has main method in which a user can call functions defined in above class.

2nd Sprint: -

1. Created a method where user can delete the file available in to the Directory
2. Modified search method to validate of file which is not available.
3. Modified Delete method to validate of file which is not available.
4. Modified main method to display the user defined list in a loop until user wants to exit the operations.

## ➤ Operations which is available in project

We have 3 Main operations and 3 Sub operations that user can perform.

1. Sort file in Ascending order
2. Option to go to Sub option
  - 2.1. Add a file into a Directory
  - 2.2. Delete existing file from Directory
  - 2.3. Find existing file from Directory
  - 2.4. Back option from Sub menu to Main menu
3. Exit from the main program

## ➤ Code Module

Project code has been divided into two Class.

### 1. Main Class

Main Class contains main method along with the Welcome Screen, logic of looping, call methods from operation class, User interaction part and Exit function from the Program.

## 2. Operations Class

Operation class contains 4 method which is given below.

- showFiles
  - This method will perform to show files in ascending order
- addFile
  - This method will perform to add file into the Directory
- deleteFile
  - This method will perform to delete file from the Directory
- searchFileName
  - This method will perform to search file from the Directory

Each method comes with the task which is defined by Lockers Pvt. Ltd.

Core Concepts: -

- > The whole concept is based on File function, input output and File handling.
- > I have used Scanner with System.in to take input from user and built in create new file method to add new file. And uses the list, if else statement, try catch block and File class to store the file and save that file into the user defined folder.
- > To perform show File method I've used List, Arrays, File class and for loop.
- > To perform delete File method I've used if else statement, built-in delete method, Scanner for input from user and File Class.
- > For sorting and listing all files I've used Arrays, List and for each loop.
- > Created 1 private method in main class to show the Welcome Screen and 2<sup>nd</sup> method of sub choices to call sub class method within the switch case statement.
- > I've used while loop to loop the code as per user input till the correct input and result and handled exceptions thrown by system. Also used if else if statement for conditional or validation and switch case for choices of method which user want to perform.