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PROJECT NAME: - LOCKEDME.COM

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➤ **Overview**

The project name LockedMe.com was split into two sprints of one week each. And here's what we did in each sprint:

➤ **Sprint**

1st Sprint: -

1. Create a class with a method that takes user input and creates a file.
2. I created a method in the same class that displays all files stored in a specific directory.
3. Create a method for retrieving a user-specified file input.
4. Create a main method with a main method where the user can call the functions defined in the above class.

2nd Sprint: -

1. Create a class with a method that takes user input and creates a file.
2. I created a method in the same class that displays all files stored in a specific directory.
3. Create a method that takes a custom file input.
4. Create a main method that contains a main method that allows the user to call the functions defined in the above class.

➤ **Operations which is available in project**

There are 3 main operations and 3 sub-operations that the user can perform.

1. Sort files in ascending order
2. option to go to sub-option
 - ❖ Add files to the directory
 - ❖ Remove existing files from a directory
 - ❖ Find existing files in a directory
 - ❖ Return Options from Submenu to Main Menu
3. Exit the main program

➤ **Code Module**

Project code has been divided into two Class.

1. **Main Class**

The main class contains the main method along with the splash screen, loop logic, call methods from the 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 2nd 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 exception 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.

