LockedMe source code

App.java

```
package frontEnd;

import java.util.*;
import ascending.Ascending;
import operations.Operations;

public class App {
   static Scanner sn = new Scanner(System.in);

        public static void info() {

                String appHeader =
String.format("**************************************************\n"
                                + "************ Welcome to LockedMe.com  ************\n"
                                + "**************************************************\n");

      String developerName = "Dev -Sahil Agrawal\n";

                String developerEmail = "DevEmail - sahil.21091999@gmail.com\n";

                String appDetails = "You can use this application to :-\n" + "--> Retrieve all file names in a
given folder\n"
                                + "--> Add, delete or search files\n";

                System.out.println(appHeader);

           System.out.println(developerName);

                System.out.println(developerEmail);

                System.out.println(appDetails);

        }
        public static void main() {
                System.out.println("");
                System.out.println("Main Menu");
                System.out.println("Press 1 to show file in Ascending Order");
                System.out.println("Press 2 to view file operations");
                System.out.println("Press 3 to Exit from the application");

                int choice = sn.nextInt();
                handle(choice);
        }
        public static void handle(int num) {
                switch(num) {
                        case 1:
                                Ascending.ascendingOrder();
                                break;
                        case 2:
                                Operations.FileOperations();
                                break;
                        case 3:
                                System.out.println("Terminated :( ");
                                System.exit(0);
                                break;
                        default:
```

```
                                        System.out.println("Invalid input");
                }
                main();
        }
        public static void main(String[] args) {
                info();
                main();

        }
}
```

Ascending.java

```
package ascending;

import java.io.*;
import java.util.*;

public class Ascending {

        static String directory= "C:\\Users\\sahagraw\\OneDrive - Cisco\\Desktop\\LockedMe\\src\\Storage";
        public static void ascendingOrder() {

                File[] files = new File(directory).listFiles();
                Set<String> a = new TreeSet<>();
                for(File file : files) {
                        if (!file.isFile()) {
                                continue;
                        }
                        a.add(file.getName());
                }
                a.forEach(i->System.out.println(i));

        }
}
```

Operations.java

```
package operations;

import java.io.*;
import java.nio.file.*;
import java.util.*;
import frontEnd.App;

public class Operations {

static Scanner sn = new Scanner(System.in);
static String directory= "C:\\Users\\sahagraw\\OneDrive - Cisco\\Desktop\\LockedMe\\src\\Storage";

public static void FileOperations() {

        System.out.println("");
        System.out.println("Press 1 to Add a file");
        System.out.println("Press 2 to Delete a file");
        System.out.println("Press 3 to Search a file");
        System.out.println("Press 4 to go Back to the Main Menu");

        String choice = sn.nextLine();
```

```
		handle(choice);
}

public static void handle(String num) {
		switch(num) {
			case "1":
				System.out.println("You selected Add Operation");
				add();
				break;
			case "2":
				System.out.println("You selected Delete Operation");
				delete();
				break;
			case "3":
				System.out.println("You selected Search Operation");
				search();
				break;
			case "4":
				System.out.println("Going Back to Main Menu");
				App.main();
				break;
			default:
				System.out.println("Invalid input");
		}
		FileOperations();
}

// to add a file

public static void add() throws InvalidPathException {
		System.out.println("Enter the file path (ex: /Users/Desktop/t.txt)");
		String input = sn.nextLine();
		Path path;
		try {
			path = Paths.get(input);
		} catch (Exception e) {
			System.out.println("Invalid input");
			return;
		}

		if (!Files.exists(path)) {
			System.out.println("No such file exist");
			return;
		}else {
			System.out.println("File is present");

		}

		String newPath = directory + "/" + path.getFileName();
		int i = 0;
		while (Files.exists(Paths.get(newPath))) {
			i++;
			newPath = directory + "/" + i + "_" + path.getFileName();
		}

		try {
			Files.copy(path,  Paths.get(newPath));
			System.out.println("file has been stored");
		} catch (IOException e) {
			System.out.println("Not able to store the file");
			System.out.println(e);
		}
```

```
}

// to delete a file

public static void delete() throws InvalidPathException {
	System.out.println("Enter the file path (ex: c.txt)");
	String input = sn.nextLine();
	String Path = directory + "/" + input;
	Path path;

	try {
		path = Paths.get(Path);
	} catch (Exception e) {
		System.out.println("Invalid input");
		return;
	}

	if (!Files.exists(path)) {
		System.out.println("No such file existed,thus cannot be deleted");
		return;
	} else {
		System.out.println("File is present");
	}

	File Delete = new File(Path);
	try {
		Delete.delete();
		System.out.println("File is deleted");
	}
	catch (Exception e) {

		System.out.println("Not able to delete file");
		System.out.println(e);
	}
}

//to search a file

public static void search() throws InvalidPathException{
	System.out.println("Enter the file to search (ex: a.txt)");
	String input = sn.nextLine();
	String Path = directory + "/" + input;
	Path path;

	try {
		path = Paths.get(Path);
	} catch (Exception e) {
		System.out.println("Invalid input");
		return;
	}

	if(!Files.exists(path)) {
		System.out.println("No such file exist");
		return;
	} else {
		System.out.println("File is present");
	}

}
}
```