LOCKEDME   PROJECT

```java
package assignment;

import java.io.File;

import java.io.IOException;

import java.util.Arrays;

import java.util.Scanner;

public class lockedme{

    static String DIRECTORY;

    File folder_name;

    public lockedme() {

        DIRECTORY = System.getProperty("user.dir");

        folder_name = new File(DIRECTORY+"/files");

        if (!folder_name.exists())

            folder_name.mkdirs();
```

```java
        System.out.println("DIRECTORY : "+
folder_name.getAbsolutePath());

    }


    private static final String WELCOME_PAGE  =
        "\nWelcome to:    LockedMe.com"+
        "\nDeveloped By:   CHITIKELA VERRINAIDU ";


    private static final String MAIN_MENU_PAGE =
        "\nMAIN MENU \n"+
            "1 -> Retrieving files in directory\n"+
            "2 -> Show files option menu \n"+
            "3 -> Quit ";


    private static final String Show_file_option_menu =
        "  \nSelect any of the following Option: \n"+
            "  1 -> Add a file\n"+
            "  2 -> Search a file\n"+
            "  3 -> Delete a file\n"+
            "  4 -> to main menu";
```

```java
void showPrimaryMenu() {

    System.out.println(MAIN_MENU_PAGE);

    try{

        Scanner scanner = new Scanner(System.in);

        int option = scanner.nextInt();

        switch (option){

            case 1 : {

                showFiles();

                showPrimaryMenu();

            }

            case 2 : {

                showSecondaryMenu();

            }

            case 3 : {

                System.out.println("Thank You For Using LockMe");

                System.exit(0);

            }

            default: showPrimaryMenu();
```

```java
            }
        }
        catch (Exception e){
            System.out.println("Please Enter Option 1, 2 or 3");
            showPrimaryMenu();
        }
    }


    void showSecondaryMenu() {
        System.out.println(Show_file_option_menu);
        try{
            Scanner scanner = new Scanner(System.in);
            char[] input =
scanner.nextLine().toLowerCase().trim().toCharArray();
            char option = input[0];

            switch (option){
                case '1' : {
                    System.out.print("Please Enter a Adding File
Name : ");
```

```java
                String filename =
scanner.next().trim().toLowerCase();

                addFile(filename);

                break;

            }

            case '2' : {

                System.out.print("Please Enter a Searching File
Name : ");

                String filename = scanner.next().trim();

                searchFile(filename);

                break;

            }


            case '3' : {

                System.out.print(".Please Enter a Deleting File
Name : ");

                String filename = scanner.next().trim();

                deleteFile(filename);

                break;

            }
                case '4' : {
```

```java
                System.out.println("Taking to MAIN menu");

                showPrimaryMenu();

                break;

            }

            default : System.out.println("Please enter Otion 1, 2, 3 or 4");

        }

        showSecondaryMenu();

    }

    catch (Exception e){

        System.out.println("Please enter Option 1, 2, 3 or 4");

        showSecondaryMenu();

    }

}


void showFiles() {

    if (folder_name.list().length==0)

        System.out.println("The folder is empty");

    else {

        String[] list = folder_name.list();
```

```java
        System.out.println("The files in "+ folder_name +" are
:");

        Arrays.sort(list);

        for (String str:list) {

            System.out.println(str);

        }

    }

    }


    void addFile(String filename) throws IOException {

        File filepath = new File(folder_name +"/"+filename);

        String[] list = folder_name.list();

        for (String file: list) {

            if (filename.equalsIgnoreCase(file)) {

                System.out.println("File " + filename + " is already
exists at " + folder_name);

                return;

            }

        }

        filepath.createNewFile();
```

```java
        System.out.println("File "+filename+"is added to "+
folder_name+" Successfully......");
    }


    void deleteFile(String filename) {
        File filepath = new File(folder_name +"/"+filename);
        String[] list = folder_name.list();
        for (String file: list) {
            if (filename.equals(file) && filepath.delete()) {
                System.out.println("File " + filename + " deleted
from " + folder_name);
                return;
            }
        }
        System.out.println("Delete Operation failed. FILE NOT
FOUND");
    }


    void searchFile(String filename) {
        String[] list = folder_name.list();
        for (String file: list) {
```

```java
            if (filename.equals(file)) {

                System.out.println("FOUND : File " + filename + "
Exists at " + folder_name);

                return;

            }

        }

        System.out.println("File NOT found");

    }


    public static void main(String[] args) {
        System.out.println(WELCOME_PAGE);
        lockedme menu = new lockedme();
        menu.showPrimaryMenu();
    }
}
```