Sourcecode for Applications:

Total 3 Class files mentioned

GITHUB repository link: https://github.com/arustagi06/Phase-1-LockedMe-Project

**Driver.java**

import java.io.IOException;

public class Driver {

public static String root = "C:\\Users\\amitr\_000\\eclipse-workspace\\Project\\files";;

public static void main(String[] args) throws IOException {

//Scanner s = new Scanner(System.in);

System.out.println("Welcome to LockedMe");

System.out.println("Developer: Amit Rustagi");

System.out.println("Version name 1.0");

Menu m = new Menu();

m.MainMenu();

}

}

**Menu.java**

import java.io.IOException;

import java.util.Scanner;

public class Menu {

public void MainMenu() throws IOException {

try{

System.out.println("\n\*\*\*\*\*\*Main MENU\*\*\*\*\*\*");

System.out.println("1. List of files");

System.out.println("2. User Operations");

System.out.println("3. Close");

Scanner s = new Scanner(System.in);

int n = s.nextInt();

switch (n)

{

case 1: FileOperations.ListFiles(); MainMenu(); ;

break;

case 2: UserOperMenu();

break;

case 3: System.out.println("Application Closed..."); cls(); break;

default: System.out.println("Enter a valid option\n"); MainMenu(); break;

}

} catch (Exception e) {

System.out.println("Enter a valid option\n"); MainMenu();

}

}

public void UserOperMenu() throws IOException

{

System.out.println("1. Add a file");

System.out.println("2. Delete a file");

System.out.println("3. Search a file");

System.out.println("4. Main Menu");

Scanner s = new Scanner(System.in);

int n = s.nextInt();

switch (n)

{

case 1: FileOperations.AddFile(); UserOperMenu(); break;

case 2: FileOperations.DeleteFile(); UserOperMenu(); break;

case 3: FileOperations.SearchFile(); UserOperMenu(); break;

case 4: MainMenu();

break;

default: System.out.println("Enter a valid option\n" ); UserOperMenu(); break;

}

}

//clear console for closing the application

public static void cls()

{

try {

new ProcessBuilder("cmd", "cls", "/c").inheritIO().start().waitFor();

}catch (Exception E)

{

System.out.println(E);

}

}

}

FileOperations.Java

import java.io.File;

import java.io.IOException;

import java.util.Arrays;

import java.util.Scanner;

public class FileOperations {

public static void ListFiles() throws IOException {

File file = new File(Driver.root);

File[] files = file.listFiles();

Arrays.sort(files);

for (File eachFile : files)

System.out.println(eachFile.getName());

}

public static void AddFile() throws IOException {

System.out.println("Enter a file to be created \n");

Scanner s = new Scanner(System.in);

String filename = s.nextLine();

File file = new File(Driver.root, filename);

if (file.createNewFile())

System.out.println("File created \n");

else

System.out.println("File not created");

}

public static void DeleteFile() throws IOException {

System.out.println("Enter a file to be deleted \n");

Scanner s = new Scanner(System.in);

String filename = s.nextLine();

File file = new File(Driver.root, filename);

if (file.delete())

System.out.println("File deleted \n");

else

System.out.println("File doesn't exist");

}

public static void SearchFile() throws IOException {

System.out.println("Enter a file to be Searched \n");

Scanner s = new Scanner(System.in);

String filename = s.nextLine();

File file = new File(Driver.root, filename);

if (file.exists())

System.out.println("File exist \n");

else

System.out.println("File doesn't exist \n");

}

}