**PHASE -1 PROJECT**

**Company Lockers PVT Project**

**File Operations:**

**package com;**

**import java.util.List;**

**import java.util.Scanner;**

**public class DriveOptions {**

**public static void handleWelcomeScreenInput() {**

**boolean running = true;**

**Scanner sc = new Scanner(System.in);**

**do {**

**try {**

**Optionlist.displayMenu();**

**int input = sc.nextInt();**

**switch (input) {**

**case 1:**

**FileOperations.displayAllFiles("main");**

**break;**

**case 2:**

**DriveOptions.handleFileMenuOptions();**

**break;**

**case 3:**

**System.out.println("Program exited succesfully.");**

**running = false;**

**sc.close();**

**System.exit(0);**

**break;**

**default:**

**System.out.println("Please select a valid option from above menu.");**

**}**

**} catch (Exception e) {**

**System.out.println(e.getClass().getName());**

**handleWelcomeScreenInput();**

**}**

**} while (running == true);**

**}**

**public static void handleFileMenuOptions() {**

**boolean running = true;**

**Scanner sc = new Scanner(System.in);**

**do {**

**try {**

**Optionlist.displayFileMenuOptions();**

**FileOperations.createMainFolderIfNotPresent("main");**

**int input = sc.nextInt();**

**switch (input) {**

**case 1:**

**System.out.println("Enter the file name it should be add to \"main\" folder");**

**String fileToAdd = sc.next();**

**FileOperations.createFile(fileToAdd, sc);**

**break;**

**case 2:**

**// File/Folder delete**

**System.out.println("Enter the name that should be deleted from \"main\" folder");**

**String fileToDelete = sc.next();**

**FileOperations.createMainFolderIfNotPresent("main");**

**List<String> filesToDelete = FileOperations.displayFileLocations(fileToDelete, "main");**

**String deletionPrompt = "\nSelect index of which file to delete?"**

**+ "\n(Enter 0 if you want to delete all elements)";**

**System.out.println(deletionPrompt);**

**int idx = sc.nextInt();**

**if (idx != 0) {**

**FileOperations.deleteFileRecursively(filesToDelete.get(idx - 1));**

**} else {**

**// If idx == 0, delete all files displayed for the name**

**for (String path : filesToDelete) {**

**FileOperations.deleteFileRecursively(path);**

**}**

**}**

**break;**

**case 3:**

**// File/Folder Search**

**System.out.println("Enter the file name to be search from \"main\" folder");**

**String fileName = sc.next(); FileOperations.createMainFolderIfNotPresent("main");**

**FileOperations.displayFileLocations(fileName, "main");**

**break;**

**case 4:**

**// Go to Previous menu**

**return;**

**case 5:**

**// Exit**

**System.out.println("Program exited successfully.");**

**running = false;**

**sc.close();**

**System.exit(0);**

**default:**

**System.out.println("Please select a valid option from above.");**

**}**

**} catch (Exception e) {**

**System.out.println(e.getClass().getName());**

**handleFileMenuOptions();**

**}**

**} while (running == true);**

**}**

**}**

**Drive options:**

**package com;**

**import java.util.List;**

**import java.util.Scanner;**

**public class DriveOptions {**

**public static void handleWelcomeScreenInput() {**

**boolean running = true;**

**Scanner sc = new Scanner(System.in);**

**do {**

**try {**

**Optionlist.displayMenu();**

**int input = sc.nextInt();**

**switch (input) {**

**case 1:**

**FileOperations.displayAllFiles("main");**

**break;**

**case 2:**

**DriveOptions.handleFileMenuOptions();**

**break;**

**case 3:**

**System.out.println("Program exited succesfully.");**

**running = false;**

**sc.close();**

**System.exit(0);**

**break;**

**default:**

**System.out.println("Please select a valid option from above menu.");**

**}**

**} catch (Exception e) {**

**System.out.println(e.getClass().getName());**

**handleWelcomeScreenInput();**

**}**

**} while (running == true);**

**}**

**public static void handleFileMenuOptions() {**

**boolean running = true;**

**Scanner sc = new Scanner(System.in);**

**do {**

**try {**

**Optionlist.displayFileMenuOptions();**

**FileOperations.createMainFolderIfNotPresent("main");**

**int input = sc.nextInt();**

**switch (input) {**

**case 1:**

**System.out.println("Enter the file name it should be add to \"main\" folder");**

**String fileToAdd = sc.next();**

**FileOperations.createFile(fileToAdd, sc);**

**break;**

**case 2:**

**System.out.println("Enter the name that should be deleted from \"main\" folder");**

**String fileToDelete = sc.next();**

**FileOperations.createMainFolderIfNotPresent("main");**

**List<String> filesToDelete = FileOperations.displayFileLocations(fileToDelete, "main");**

**String deletionPrompt = "\nSelect index of which file to delete?"**

**+ "\n(Enter 0 if you want to delete all elements)";**

**System.out.println(deletionPrompt);**

**int idx = sc.nextInt();**

**if (idx != 0) {**

**FileOperations.deleteFileRecursively(filesToDelete.get(idx - 1));**

**} else {**

**// If idx == 0, delete all files displayed for the name**

**for (String path : filesToDelete) {**

**FileOperations.deleteFileRecursively(path);**

**}**

**}**

**break;**

**case 3:**

**// File/Folder Search**

**System.out.println("Enter the file name to be search from \"main\" folder");**

**String fileName = sc.next();**

**FileOperations.createMainFolderIfNotPresent("main");**

**FileOperations.displayFileLocations(fileName, "main");**

**break;**

**case 4:**

**// Go to Previous menu**

**return;**

**case 5:**

**// Exit**

**System.out.println("Program exited successfully.");**

**running = false;**

**sc.close();**

**System.exit(0);**

**default:**

**System.out.println("Please select a valid option from above.");**

**}**

**} catch (Exception e) {**

**System.out.println(e.getClass().getName());**

**handleFileMenuOptions();**

**}**

**} while (running == true);**

**}**

**Company Lockers Project:**

**package** com;

**public** **class** CompanyLockersProject {

**public** **static** **void** main(String[] args) {

// Create "main" folder if not present in current folder structure

FileOperations.*createMainFolderIfNotPresent*("main");

Optionlist.*printWelcomeScreen*("Company lockers private limited", "BHAGYA");

DriveOptions.*handleWelcomeScreenInput*();

}

}

**Options List:**

**package** com;

**public** **class** Optionlist{

**public** **static** **void** printWelcomeScreen(String appName, String developerName) {

String companyDetails = String.*format*("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n"

+ "\*\* Welcome %s.com. \n" + "\*\* This application was developed by %s.\n"

+ "\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n", appName, developerName);

String appFunction = "You can use this application to :-\n"

+ "� Retrieve all file names in the \"main\" folder\n"

+ "� Search, add, or delete files in \"main\" folder.\n"

+ "\n\*\*Please be careful to ensure the correct filename is provided for searching or deleting files.\*\*\n";

System.***out***.println(companyDetails);

System.***out***.println(appFunction);

}

**public** **static** **void** displayMenu() {

String menu = "\n\n\*\*\*\*\*\* Select any option number from below and press Enter \*\*\*\*\*\*\n\n"

+ "1) Retrieve all files inside \"main\" folder\n" + "2) Display menu for File operations\n"

+ "3) Exit program\n";

System.***out***.println(menu);

}

**public** **static** **void** displayFileMenuOptions() {

String fileMenu = "\n\n\*\*\*\*\*\* Select any option number from below and press Enter \*\*\*\*\*\*\n\n"

+ "1) Add a file to \"main\" folder\n" + "2) Delete a file from \"main\" folder\n"

+ "3) Search for a file from \"main\" folder\n" + "4) Show Previous Menu\n" + "5) Exit program\n";

System.***out***.println(fileMenu);

}

}