



LOCKEDME.COM

Submitted by Akshaykumar Chormule



BATCH AND PHASE

MS FSD FEB 2022 COHORT 1– PHASE 1

Simplilearn

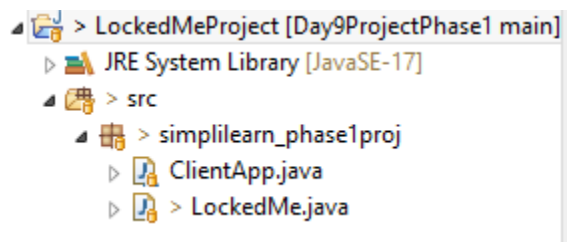
Technology

- Core Java and Data Structure

Java Concept Used

- Java Object Oriented Programming
- File handling
- Exception Handling
- Java Collection
- Access Modifiers
- Control Structure
- Naming Standard
- Re-usability

Project Folder Structure



Source Code

➤ ClientApp.java

```
package simplilearn_phase1proj;

import java.util.Scanner;
/**
 * Class Name: ClientApp
 * This contain main of application
 * Inside class
 * Method Name: main
 * Inside method:
 * 1. Display welcome screen and main menu
 * 2. Take input from user form menu options
 * 3. Perform action according to user input
 *   a.Retrieve all file
 *   b.Add the file
 *   c.Delete the file
 *   b.Search file
 *   c.Exit
 * @author Akshaykumar Chormule
 */
final class ClientApp {
    public static void main(String[] args) {
        Scanner scan = new Scanner(System.in);
        int choice;
        do {
            LockedMe.displayMenu();
            System.out.println("Enter your Choise");
            choice = Integer.parseInt(scan.nextLine());

            switch(choice) {
                case 1: LockedMe.getAllFiles();
                        break;
                case 2: LockedMe.addFiles();
                        break;
                case 3: LockedMe.deleteFile();
                        break;
                case 4: LockedMe.searchFile();
                        break;
                case 5: System.exit(0);
                        break;
                default: System.out.println("You Entered Invalid Input");
                        break;
            }
        }while(choice>0);

        scan.nextLine();
        scan.close();
    }
}
```

➤ LockedMe.java

```
package simplilearn_phase1proj;

import java.io.File;
import java.io.FileWriter;
import java.util.ArrayList;
import java.util.Arrays;
import java.util.List;
import java.util.Scanner;

public class LockedMe {
    static Scanner scan = new Scanner(System.in);
    static final String filePath="F:\\JavaClass\\Day9ProjectPhase1\\Files";
    /**
     *      This method display the menu
     */
    public static void displayMenu() {
        System.out.println("*****");
        System.out.println("\tWelcome to LockedMe.com Secure App");
        System.out.println("\tDeveloped by: Akshaykumar Chormule");
        System.out.println("*****");
        System.out.println("\t\t1. Display all files");
        System.out.println("\t\t2. Add new files");
        System.out.println("\t\t3. Delete a file");
        System.out.println("\t\t4. Search file");
        System.out.println("\t\t5. Exit");
        System.out.println("*****");
    }
    /**
     * This method retrieve all the files
     */
    public static void getAllFiles() {
        File file = new File(filePath);
        File[] listOfFiles = file.listFiles();
        if(listOfFiles.length>0) {
            System.out.println("Below are the files");
            for(var l:listOfFiles) {
                System.out.println(l.getName());
            }
        }else {
            System.out.println("The mentioned Folder is an Empty");
        }
    }
    /**
     * This method create the new file
     */
    public static void addFiles() {
        try {
            String fileName;
            //Read the input from user
            System.out.println("Please Enter the file name");
            fileName=scan.nextLine();
        }
    }
}
```

```

        System.out.println("How may line want to write?");
        int lineCount = Integer.parseInt(scan.nextLine());

        System.out.println("Enter file content here");
        FileWriter fw = new FileWriter(filesPath + "\\\" + fileName+".txt");

        //Read the line by line from user
        for(int i=0;i<lineCount;i++) {
            fw.write(scan.nextLine()+"\n");
        }
        System.out.println("File is created successfully");
        fw.close();

    }
    catch(Exception ex) {

    }

}

//added utility file for reference to make it dynamic
/**
 * This method check file is present in file folder
 * @param fileName String
 * @return boolean
 */
public static boolean chekFilesExists(String fileName) {

    ArrayList<String> allFiles = new ArrayList<String>();
    File folder = new File(filesPath);
    File[] listOfFiles = folder.listFiles();

    if(listOfFiles.length>0) {
        for(var l:listOfFiles) {
            allFiles.add(l.getName());
        }
    }

    return allFiles.contains(fileName);
}

/**
 * This method search the file
 */
public static void searchFile() {

    try {

        System.out.println("Enter the file name to be Searched");
        String fileName = scan.nextLine();
        //To get all the files into the list
        ArrayList<String> allFiles = new ArrayList<String>();
        File folder = new File(filesPath);
        File[] listOfFiles = folder.listFiles();

        if(listOfFiles.length>0) {

```

```

        for(var l:listOfFiles) {
            allFiles.add(l.getName());
        }
    }
    if(allFiles.contains(fileName+".txt")) {
        //System.out.println("File exit at
"+folder.getAbsolutePath()+"\\"+fileName+".txt");
        System.out.println("File is available");
    }else {
        System.out.println("file not found");
    }
}
catch(Exception ex) {}
}

public static void deleteFile() {
    File file = new File(filesPath);
    List<String> list = Arrays.asList(file.list());
    System.out.println("Enter name of file need to delete");

    try {
        String fileName = scan.nextLine()+".txt";
        if((list.contains(fileName))) {
            File filedelete = new File(filesPath+"\\"+fileName);
            filedelete.delete();
            System.out.println(filedelete.getName()+" is deleted
successfully\n");
        }
        else
        {
            System.out.println("File does not Exists");
        }
    }
    catch(Exception ex) {
        System.out.println("Unable to download the. Please contact Admin");
    }
}
}

```

Project Screen Shot

➤ Welcome Screen and main menu

```
C:\Users\Admin\Desktop\MyProject>java -jar MyProject.jar
*****
Welcome to LockedMe.com Secure App
Developed by: Akshaykumar Chormule
*****
1. Display all files
2. Add new files
3. Delete a file
4. Search file
5. Exit
*****
Enter your Choise
```

➤ Option-1 : Retrieve all files

```
*****
Welcome to LockedMe.com Secure App
Developed by: Akshaykumar Chormule
*****
1. Display all files
2. Add new files
3. Delete a file
4. Search file
5. Exit
*****
Enter your Choise
1
Below are the files
abc.txt
akshy.txt
filea.txt
filec.txt
filed.txt
testFile.txt
*****
```

➤ Option-2: Add New File

```
*****
Welcome to LockedMe.com Secure App
Developed by: Akshaykumar Chormule
*****
1. Display all files
2. Add new files
3. Delete a file
4. Search file
5. Exit
*****
Enter your Choise
2
Please Enter the file name
testFile
How may line want to write?
2
Enter file content here
This is test file
Project practice
File is created successfully
*****
```

➤ Option-3: Delete File

```
*****
Welcome to LockedMe.com Secure App
Developed by: Akshaykumar Chormule
*****
1. Display all files
2. Add new files
3. Delete a file
4. Search file
5. Exit
*****
Enter your Choise
3
Enter name of file need to delete
filed
filed.txt is deleted successfully
```


➤ Option-4: Search File

```
*****
Welcome to LockedMe.com Secure App
Developed by: Akshaykumar Chormule
*****
      1. Display all files
      2. Add new files
      3. Delete a file
      4. Search file
      5. Exit
*****
Enter your Choise
4
Enter the file name to be Searched
testFile
File is available
*****
```

➤ Option-3: Exit application

```
*****
Welcome to LockedMe.com Secure App
Developed by: Akshaykumar Chormule
*****
      1. Display all files
      2. Add new files
      3. Delete a file
      4. Search file
      5. Exit
*****
Enter your Choise
5
```

Git Repository URL

➤ https://github.com/akshaychormule61/LockedMe.com_Phase1