

# Locked Me –Virtual Key for Repositories

This document contains:

- Sprint Planning
- Task Completion
- Flow and features of the application
- Flow charts
- Software used
- Product demonstration
- Conclusions

The code and all documents related to this project are hosted at git hub. Above is the link provided by Rohit Mankar.

## Sprint Planning

Our manager has set up a meeting where we were asked to present the following in the next 15 working days (3 weeks)

- ❖ Specification document - Product's capabilities, appearance, and user interactions
- ❖ Number and duration of sprints required
- ❖ Setting up Git and GitHub account to store and track your enhancements of the prototype
- ❖ Java concepts being used in the project
- ❖ Data Structures where sorting and searching techniques are used.
- ❖ Generic features and three operations:
  - ⊙ Retrieving the file names in an ascending order
  - ⊙ Business-level operations:
    - ✦ Option to add a user specified file to the application
    - ✦ Option to delete a user specified file from the application
    - ✦ Option to search a user specified file from the application
    - ✦ Navigation option to close the current execution context and return to the main context
  - ⊙ Option to close the application

VirtualKeyRepository-SprintFiles-RohitMankar - Excel															
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PROJECT NUMBER	1
PROJECT NAME	Virtual Key Repository--Locked Me
PROJECT MANAGER	Rohit Mankar
DATE	21-02-2022
VERSION	1.0

SPRINT BACKLOG

PROJECT DETAILS

VirtualKeyRepository-SprintFiles-RohitMankar - Excel															
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ID	User Story	Tasks	Owner	Status	Estimated effort	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 8	Day 9	Day 10	Day 11	Day 12	Day 13	Day 14	Day 15
1	Project Assessment	Project Requirements	Rohit	Completed	2	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		Project analysis	Rohit	Completed		0	4	0	0	0	0	0	0	0	0	0	0	0	0	0
		Flow Chart	Rohit	Completed		0	4	0	0	0	0	0	0	0	0	0	0	0	0	0
		Install eclipse	Rohit	Completed		0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
2	Installation of softwares	Install Microsoft Office	Rohit	Completed	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
		Registering in Git Hub	Rohit	Completed		0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
		Installing Git Bash	Rohit	Completed		0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
		Add External Jar files	Rohit	Completed		0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
		Create Folder	Rohit	Completed		0	0	0	4	0	0	0	0	0	0	0	0	0	0	0
		Add files to existing folders	Rohit	Completed		0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
3	Programming/ Implementation Of Project	Delete file	Rohit	Completed	5	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
		Search File	Rohit	Completed		0	0	0	0	0	2	0	0	0	0	0	0	0	0	0
		Sort File	Rohit	Completed		0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
		Main Menu	Rohit	Completed		0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
		Exit	Rohit	Completed		0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
4	Git usage	Saving files in local repository	Rohit	Completed		0	0	0	0	0	0	0	0	2	0	0	0	0	0	0
		Pushing files to Git Hub	Rohit	Completed	1	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0
5	Documentation Of Project	Documenting Project	Rohit	Completed	3	0	0	0	0	0	0	0	0	0	2	2	2	0	0	0
		Submission	Rohit	Completed	3	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1

SPRINT BACKLOG

PROJECT DETAILS

# Flow and Features of The Application

- ★ Plan more than two sprints to complete the application.
- ★ Document the flow of the application and prepare a flow chart.
- ★ List the core concepts and algorithms being used to complete this application.
- ★ Code to display the welcome screen. It should display:
  - ☆ Application name and the developer details.
  - ☆ The details of the user interface such as options displaying the user interaction information.
- \*Features to accept the user input to select one of the options listed
  - I The first option should return the current file names in ascending order. The root directory can be either empty or contain few files or folders in it.
  - II The second option should return the details of the user interface such as options displaying the following:
    - ① Add a file to the existing directory list
      - ★ You can ignore the case sensitivity of the file names
    - ② Delete a user specified file from the existing directory list
      - ★ You can add the case sensitivity on the file name in order to ensure that the right file is deleted from the directory list.
      - ★ Return a message if FNF (File not found)
      - ★ Search a user specified file from the main directory

- ★ You can add the case sensitivity on the file name to retrieve the correct file

- ★ Display the result upon successful operation

- ★ Display the result upon unsuccessful operation

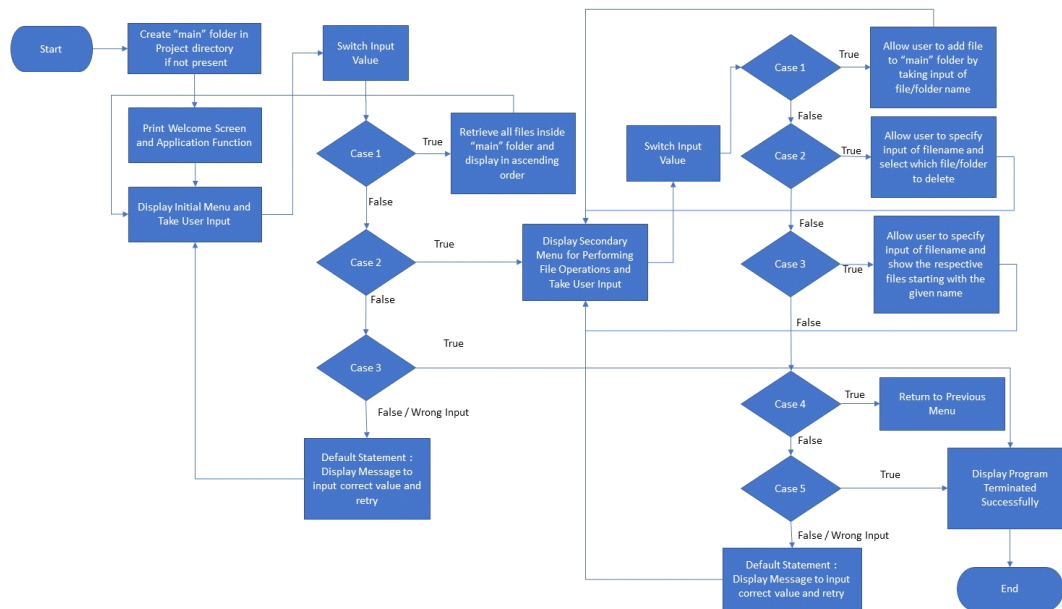
- ③ Search the File In existing directory list

- ④ Back to Main Menu

**III** The third option should exit from the application.

- ★ Implement the appropriate concepts such as exceptions, collections, and sorting techniques for source code optimization and increased performance.

# Flow Chart

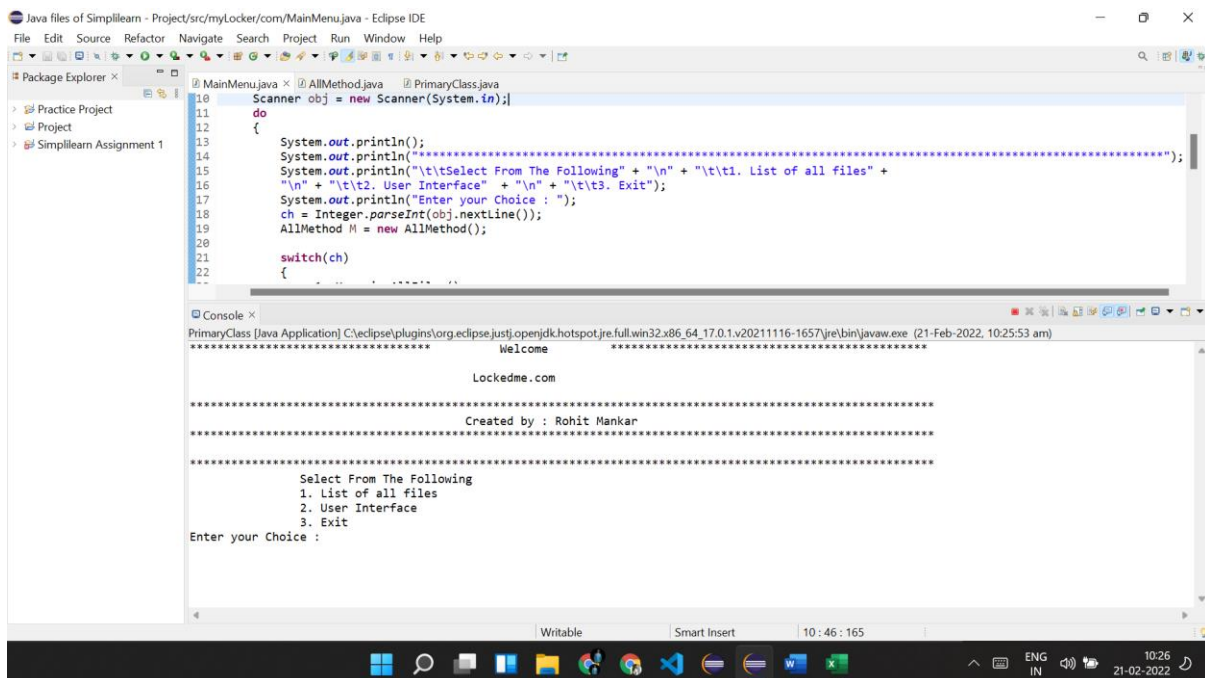


# Software usage

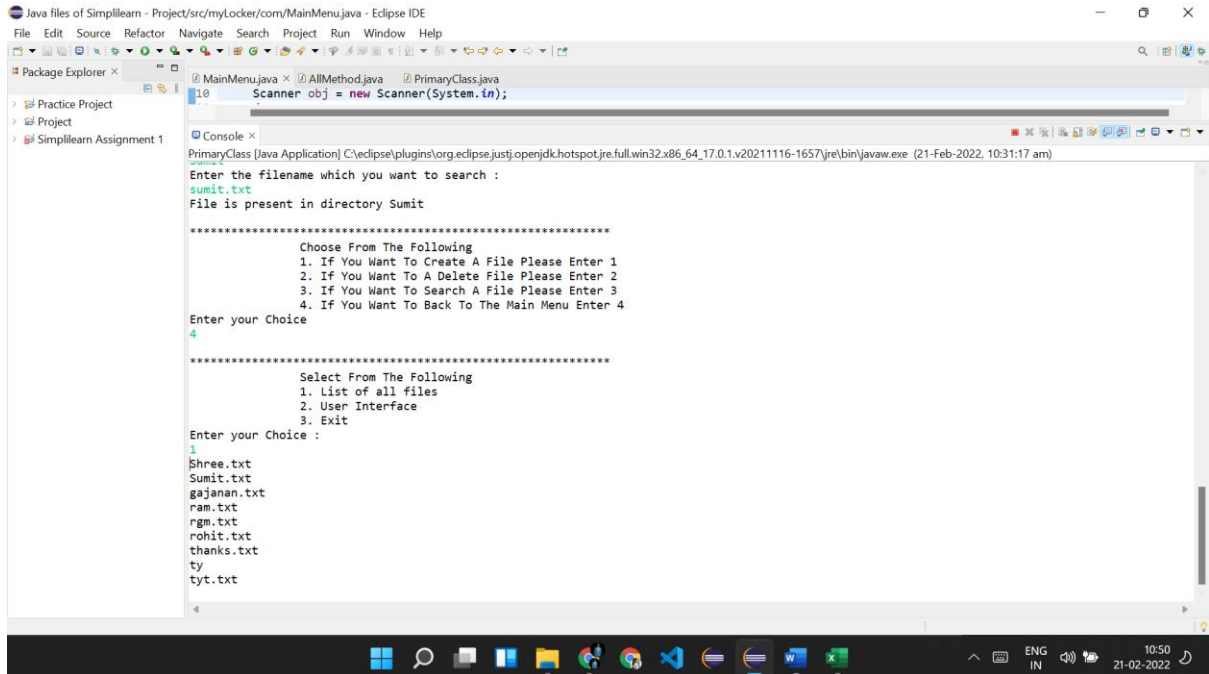
- Eclipse/IntelliJ: An IDE to code for the application
- Java: A programming language to develop the prototype
- Git: To connect and push files from the local system to GitHub
- GitHub: To store the application code and track its versions
- Scrum: An efficient agile framework to deliver the product incrementally
- Search and Sort techniques: Data structures used for the project
- Specification document: Any open-source document or Google Docs

# Product demonstration

## Welcome page with Menu



# List of All Files



The screenshot shows the Eclipse IDE interface. The Package Explorer on the left shows a project named 'Simplilearn Assignment 1'. The main editor displays the 'PrimaryClass.java' file with the following code:

```
Scanner obj = new Scanner(System.in);  
10  
11
```

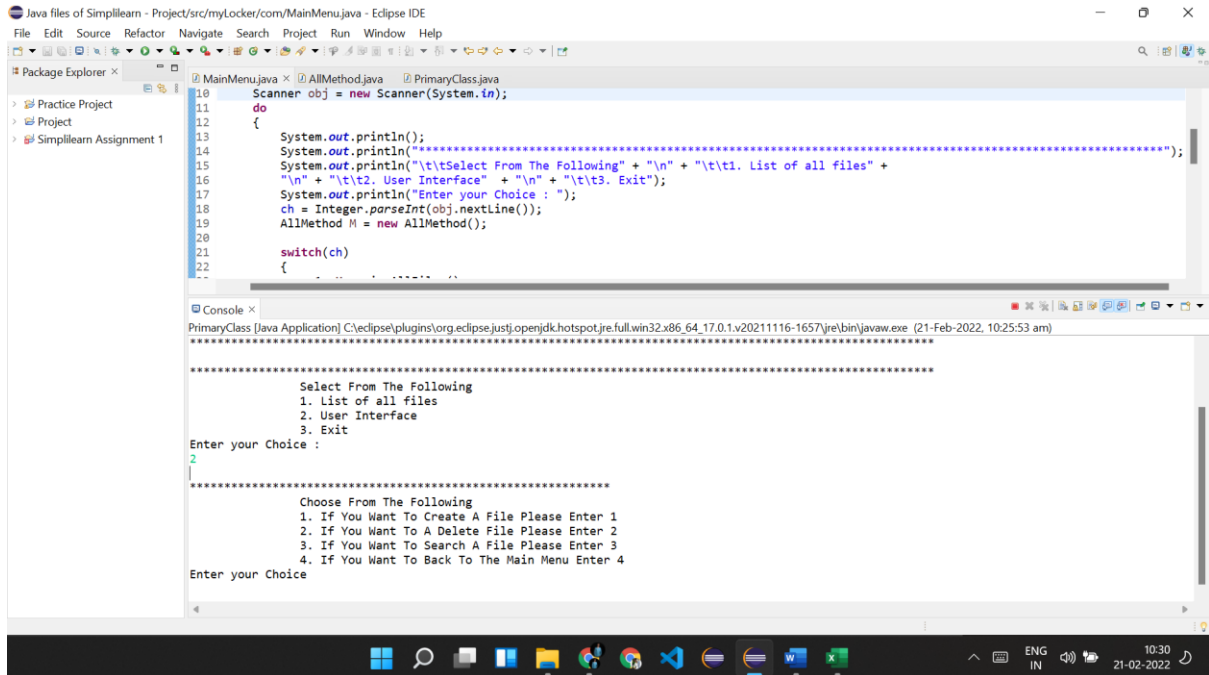
The Console window at the bottom shows the output of the application:

```
PrimaryClass [Java Application] C:\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.1.v20211116-1657\jre\bin\javaw.exe (21-Feb-2022, 10:31:17 am)  
Enter the filename which you want to search :  
sumit.txt  
File is present in directory Sumit  
  
*****  
Choose From The Following  
1. If You Want To Create A File Please Enter 1  
2. If You Want To A Delete File Please Enter 2  
3. If You Want To Search A File Please Enter 3  
4. If You Want To Back To The Main Menu Enter 4  
Enter your Choice  
4  
  
*****  
Select From The Following  
1. List of all files  
2. User Interface  
3. Exit  
Enter your Choice :  
1  
Shree.txt  
Sumit.txt  
gajanan.txt  
ram.txt  
rgm.txt  
rohit.txt  
thanks.txt  
ty  
tyt.txt
```

The Windows taskbar at the bottom shows the system clock as 10:50 on 21-02-2022.



# User Interface



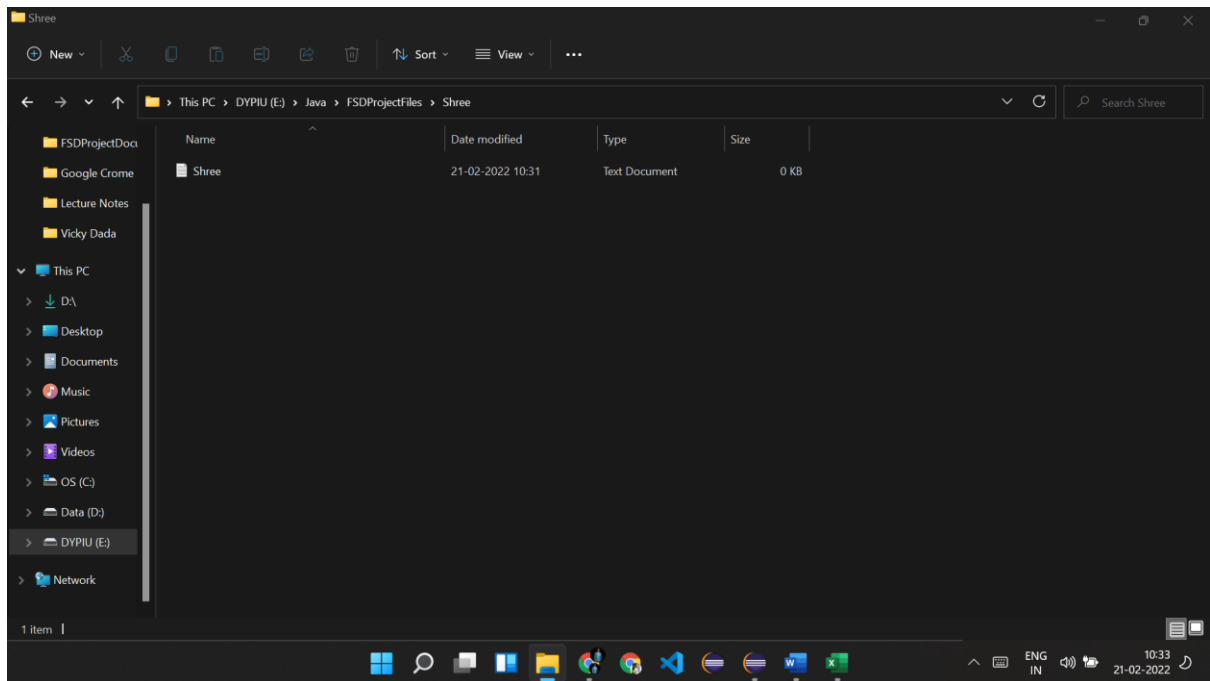
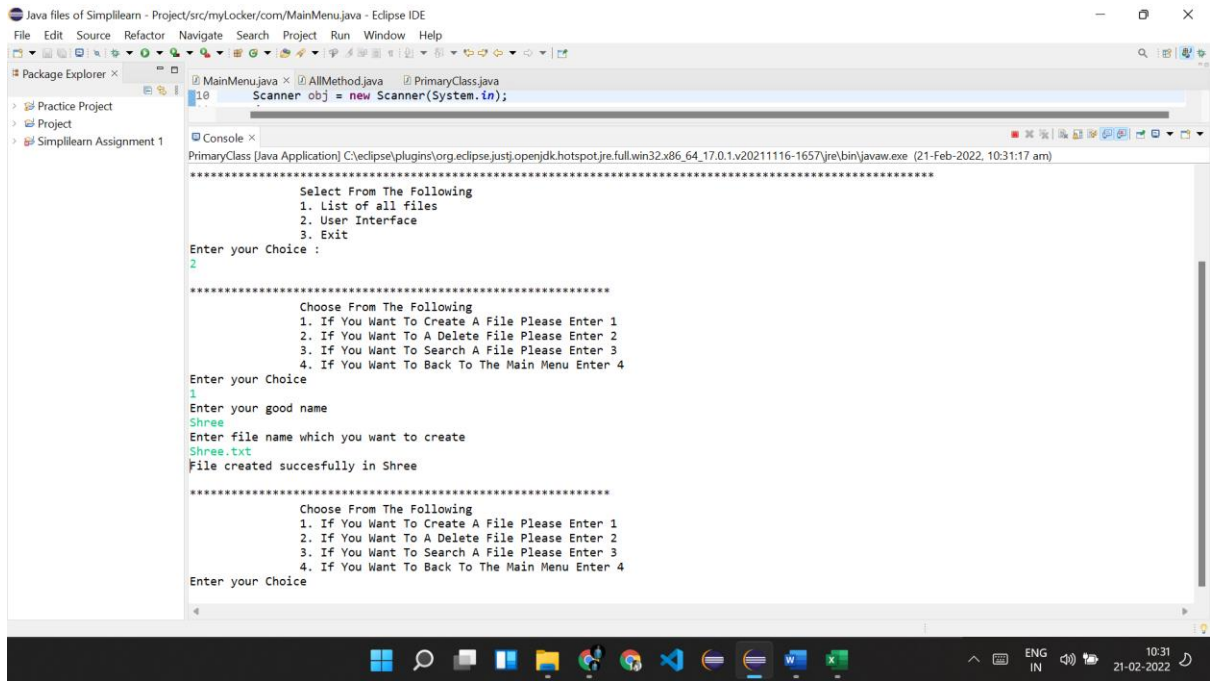
The screenshot shows the Eclipse IDE with the following components:

- Package Explorer:** Shows a project named 'Simplilearn Assignment 1' containing 'MainMenu.java', 'AllMethod.java', and 'PrimaryClass.java'.
- MainMenu.java:** Contains the following code:

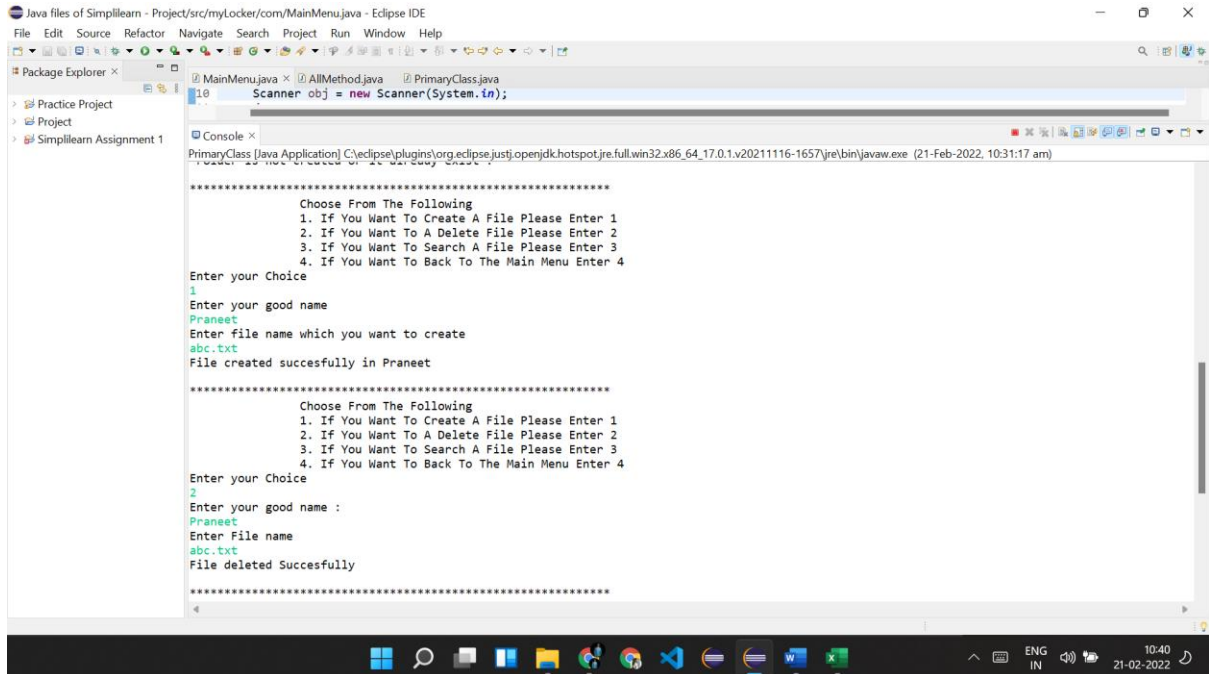
```
10 Scanner obj = new Scanner(System.in);
11 do
12 {
13     System.out.println();
14     System.out.println("*****Select From The Following*****");
15     System.out.println("\t\t1. List of all files" +
16 "\n" + "\t\t2. User Interface" + "\n" + "\t\t3. Exit");
17     System.out.println("Enter your Choice : ");
18     ch = Integer.parseInt(obj.nextLine());
19     AllMethod M = new AllMethod();
20
21     switch(ch)
22     {
23         case 1:
24             M.listFiles();
25         case 2:
26             M.userInterface();
27         case 3:
28             M.exit();
29     }
30 }
```
- Console:** Shows the output of the program:

```
*****
Select From The Following
1. List of all files
2. User Interface
3. Exit
Enter your Choice :
2
*****
Choose From The Following
1. If You Want To Create A File Please Enter 1
2. If You Want To A Delete File Please Enter 2
3. If You Want To Search A File Please Enter 3
4. If You Want To Back To The Main Menu Enter 4
Enter your Choice
```

# Folder Creation



# Deletion of Files



Java files of Simplilearn - Project/src/myLocker/com/MainMenu.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Package Explorer

MainMenu.java AllMethod.java PrimaryClass.java

```
Scanner obj = new Scanner(System.in);
```

Console

PrimaryClass [Java Application] C:\eclipse\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86\_64\_17.0.1.v20211116-1657\jre\bin\javaw.exe (21-Feb-2022, 10:31:17 am)

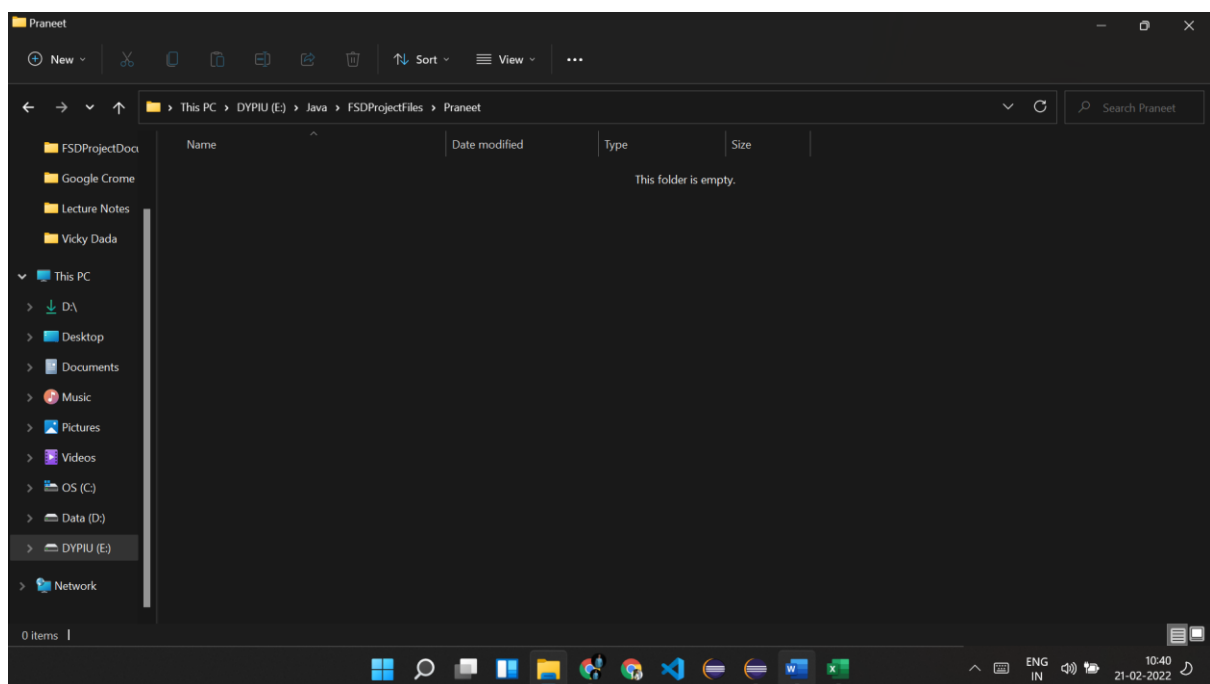
```
*****
Choose From The Following
1. If You Want To Create A File Please Enter 1
2. If You Want To A Delete File Please Enter 2
3. If You Want To Search A File Please Enter 3
4. If You Want To Back To The Main Menu Enter 4

Enter your Choice
1
Enter your good name
Praneet
Enter file name which you want to create
abc.txt
File created succesfully in Praneet

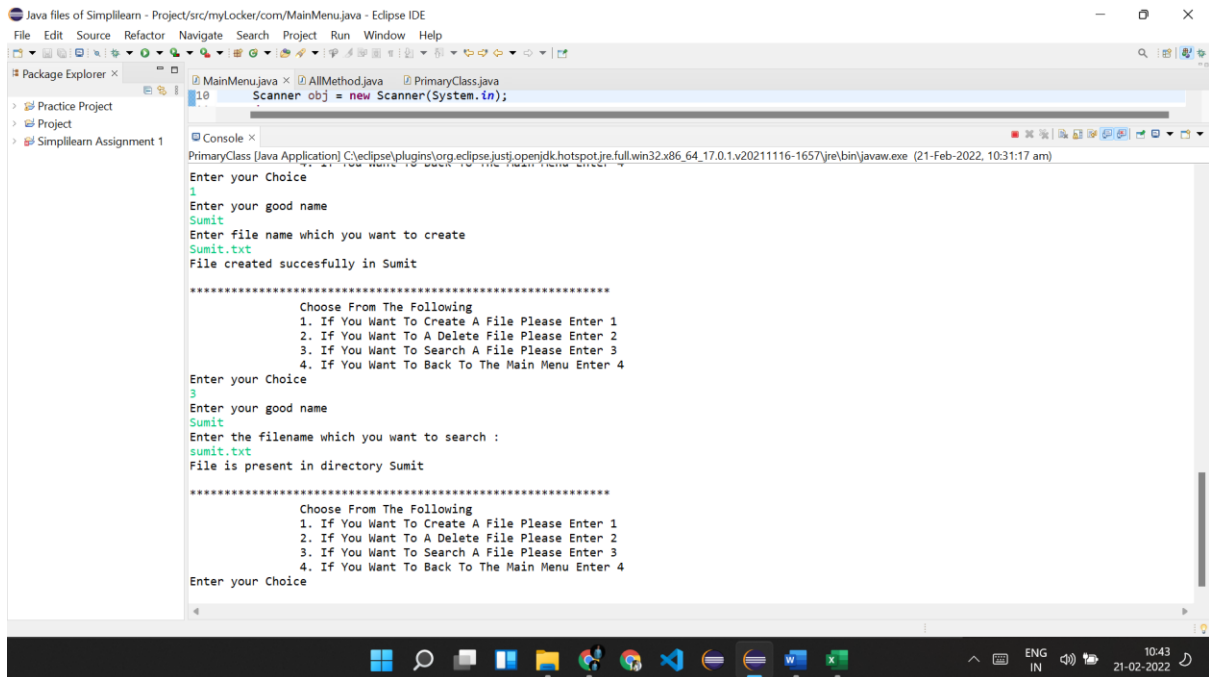
*****
Choose From The Following
1. If You Want To Create A File Please Enter 1
2. If You Want To A Delete File Please Enter 2
3. If You Want To Search A File Please Enter 3
4. If You Want To Back To The Main Menu Enter 4

Enter your Choice
2
Enter your good name :
Praneet
Enter File name
abc.txt
File deleted Succesfully

*****
```



# Search of files



```
Java files of Simplilearn - Project/src/myLocker/com/MainMenu.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Package Explorer x
> Practice Project
> Project
> Simplilearn Assignment 1
MainMenu.java x AllMethod.java PrimaryClass.java
10 Scanner obj = new Scanner(System.in);
Console x
PrimaryClass [Java Application] C:\eclipse\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_17.0.1.v20211116-1657\jre\bin\javaw.exe (21-Feb-2022, 10:31:17 am)
Enter your Choice
1
Enter your good name
Sumit
Enter file name which you want to create
Sumit.txt
File created succesfully in Sumit

*****
Choose From The Following
1. If You Want To Create A File Please Enter 1
2. If You Want To A Delete File Please Enter 2
3. If You Want To Search A File Please Enter 3
4. If You Want To Back To The Main Menu Enter 4
Enter your Choice
3
Enter your good name
Sumit
Enter the filename which you want to search :
sumit.txt
File is present in directory Sumit

*****
Choose From The Following
1. If You Want To Create A File Please Enter 1
2. If You Want To A Delete File Please Enter 2
3. If You Want To Search A File Please Enter 3
4. If You Want To Back To The Main Menu Enter 4
Enter your Choice
```

## Entering to Main Menu/Welcome Page

```
Java files of Simplilearn - Project/src/myLocker/com/MainMenu.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Package Explorer x
> Practice Project
> Project
> Simplilearn Assignment 1
MainMenu.java x AllMethod.java x PrimaryClass.java
Scanner obj = new Scanner(System.in);
Console x
PrimaryClass [Java Application] C:\eclipse\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_17.0.1.v20211116-1657\jre\bin\javaw.exe (21-Feb-2022, 10:31:17 am)
*****
Choose From The Following
1. If You Want To Create A File Please Enter 1
2. If You Want To A Delete File Please Enter 2
3. If You Want To Search A File Please Enter 3
4. If You Want To Back To The Main Menu Enter 4
Enter your Choice
3
Enter your good name
Sumit
Enter the filename which you want to search :
sumit.txt
File is present in directory Sumit
*****
Choose From The Following
1. If You Want To Create A File Please Enter 1
2. If You Want To A Delete File Please Enter 2
3. If You Want To Search A File Please Enter 3
4. If You Want To Back To The Main Menu Enter 4
Enter your Choice
4
*****
Select From The Following
1. List of all files
2. User Interface
3. Exit
Enter your Choice : |
```

## Existing the Application

```
Java files of Simplilearn - Project/src/myLocker/com/AllMethod.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Package Explorer x
> Practice Project
> Project
> Simplilearn Assignment 1
MainMenu.java x AllMethod.java x PrimaryClass.java
System.out.println();
Custom out println*****
*****
Created by : Rohit Mankar
*****
Select From The Following
1. List of all files
2. User Interface
3. Exit
Enter your Choice :
1
Shree.txt
Sumit.txt
gajanan.txt
ram.txt
ngm.txt
rohit.txt
thanks.txt
ty
tyt.txt
*****
Select From The Following
1. List of all files
2. User Interface
3. Exit
Enter your Choice : |
```

## **Conclusions**

Any future enhancements will be done based on user requirements.