# **LockedMe.com Application**

LockedMe.com

Prototype of the Application

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GitHub: https://github.com/akhila31shaik/Project-Phase-1-.git

The prototype of the application is operated as a CLI (Command Line Program) without GUI. Its usage is to do file operations such as create new files along with content, delete a file or search a file from a specified directory and list them afterward in sorting order.

The implementation is done with the help of Java 8 and IDE IntelliJ.

# **Sprint Planning**

The Implementation is done in two sprints which are mentioned below:

#### Sprint 1:

- Clarify the specification and requirements.
- Implement view content mechanism.
- Implement list of all files in sorted order.
- Implement functionality to close the program safely.

#### Sprint 2:

- Implement functionality to add create files along the content.
- Implement functionality to delete a file if it is present in that user specified directory.
- Implement functionality to search a file in the same directory.
- Documentation.

# Source Code: File directory

# Service Component:

```
package org.cisco.projectphase1.services;

cimport java.io.File;

cimport org.cisco.projectphase1.files.Directory;

4 usages

public class DirectoryService {
    3 usages
    private static Directory fileDirectory = new Directory();

1 usage

public static void PrintFiles() {

for (File file : DirectoryService.getFileDirectory().getFiles())

{
    System.out.println(file.getName());
}

1 usage

public static Directory getFileDirectory() { return fileDirectory; }

public static void setFileDirectory(Directory) { DirectoryService.fileDirectory = fileDirectory = fileDirectory }

public static void setFileDirectory(Directory fileDirectory) { DirectoryService.fileDirectory = fileDirectory }

public static void setFileDirectory(Directory fileDirectory) { DirectoryService.fileDirectory = fileDirectory }

public static void setFileDirectory(Directory fileDirectory) { DirectoryService.fileDirectory = fileDirectory }

}
```

```
import org.cisco.projectphase1.Welcome.FileOperations;
import org.cisco.projectphase1.Welcome.Screen;

import org.cisco.projectphase1.Welcome.WelcomePage;

10 usages

public class ScreenService {
    2 usages
    public static WelcomePage WelcomePage = new WelcomePage();
    1 usage
    public static FileOperations FileOperations = new FileOperations();

2 usages

public static Screen CurrentScreen = WelcomePage;

4 usages
    public static Screen getCurrentScreen() {

** return CurrentScreen;
}

2 usages

2 usages

public static Screen getCurrentScreen() {

** return CurrentScreen;
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```

# Welcome Component:

```
Directory/Servicejava X  Screen/Servicejava X  WelcomePagejava X  Directoryjava X  Director
```

```
public interface Screen {
    8 usages 2 implementations
    public void Show();

2 usages 2 implementations
    public void NavigateOption(int option);

3 usages 2 implementations
    public void GetUserChoice();

}
```

```
import java.util.ArrayList;
import java.util.InputMismatchException;

dimport java.util.Scanner;

Gusages

public class WelcomePage implements Screen{

lusage
private String Text = "\n******** Welcome to LockedMe Application ********\n";

lusage
private String developerText = "Developer: Shaik Akhila";

4 usages
private ArrayList<String> options = new ArrayList<>();

2 usages
public WelcomePage() {
    options.add("1. Show Files which are in the existing directory");
    options.add("2. Show File Options Menu to perform operations");
    options.add("3. Exit the Welcome Screen");

1 usage
```

#### Main Class:

```
package org.cisco.projectphasel;

import org.cisco.projectphasel.Welcome.WelcomePage;

public class LockedMeApplication {
    public static void main(String[] args) {
        WelcomePage wp = new WelcomePage();
        wp.userPage();
        wp.GetUserChoice();

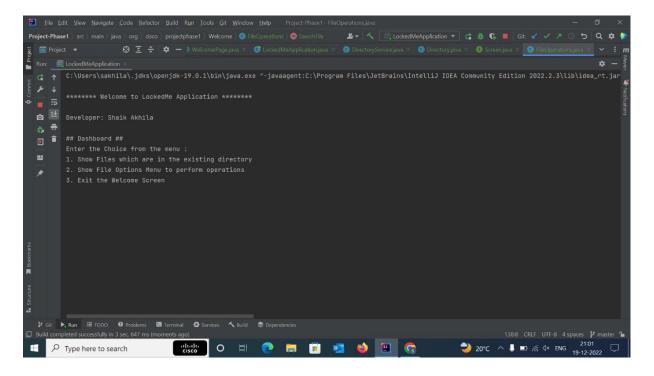
}

}

A continue or a contin
```

# Screens:

This is the first screen that user will interact.



#### List all files:

This option will let user to see list of files in the specified directory in sorted order.

```
## Dashboard ##
Enter the Choice from the menu :
1. Show Files which are in the existing directory
2. Show File Options Menu to perform operations
3. Exit the Welcome Screen
1
List of Files in the Directory:
aa.txt
Aadhar.txt
Alexa.txt
```

#### File Operations:

This option will let user to provide several file operations with.

```
## Dashboard ##
Enter the Choice from the menu:

1. Show Files which are in the existing directory

2. Show File Options Menu to perform operations

3. Exit the Welcome Screen

2
File Options Menu

1. Add a File to the directory

2. Delete A File from the directory

3. Search A File from the directory

4. Return to Dashboard
```

#### Create a file:

This will allow user to create a file along with content inside it.

#### Delete a file:

This will allow user to delete a file if it is present otherwise it will send a appropriate message.

```
File Options Menu

1. Add a File to the directory

2. Delete A File from the directory

3. Search A File from the directory

4. Return to Dashboard

2

Please Enter the Filename:

aa.txt

You are deleting a file named: aa.txtfrom the directory

File Deleted Successfully from the directory

Deleted File: aa.txt

File Options Menu

1. Add a File to the directory

2. Delete A File from the directory

4. Return to Dashboard
```

#### Search a file:

This will allow user to input a file name along with extension to begin the search procedure and give back the appropriate result.

```
File Options Menu

1. Add a File to the directory

2. Delete A File from the directory

3. Search A File from the directory

4. Return to Dashboard

3

Please Enter the Filename:

Alexa.txt

You are searching for a file named: Alexa.txt

Found Alexa.txt

The searched file was found in the directory

File Options Menu

1. Add a File to the directory

2. Delete A File from the directory

3. Search A File from the directory

4. Return to Dashboard
```

#### Quit

This will allow user to exit from the program safely.

```
File Options Menu

1. Add a File to the directory

2. Delete A File from the directory

3. Search A File from the directory

4. Return to Dashboard

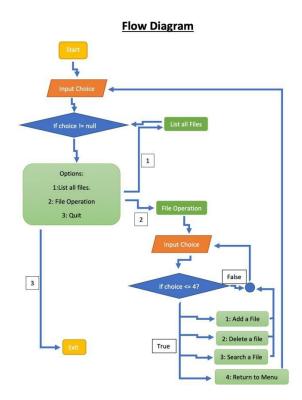
## Dashboard ##
Enter the Choice from the menu :

1. Show Files which are in the existing directory

2. Show File Options Menu to perform operations

3. Exit the Welcome Screen

## Process finished with exit code 0
```



Core Concepts used in this project are mostly basic Java libraries such as Class & Objects, Packages, Interfaces, Collections, ArrayList, Access specifier, Try-catch block, File Handling Concepts, Error Exception handling, Inheritance, abstract, final, static methods.

# **Conclusion**

- 1: The prototype is robust and platform independent.
- 2: User can easily use the prototype and safely exit out of it.
- 3: The prototype has a good interface with CLI (Command Line Interface).
- 4: As a developer, we can enhance it by introducing several new features such as appending in a file or overwriting a file and the file details for which user selected.
- 5: This prototype though is robust but user can only interact it with terminal or CLI so we can develop a good GUI interface for more better user-friendly.