

LockedMe.com

Date:18/06/2023

Developer:Mohd Abrar Ali Khan

Product Capabilities

LockedMe is a simple Java based CLI program that facilitates file manipulation operations such as

- Add files to a directory
- Delete files from a directory
- Search files in a directory
- Sorting files with their names in a directory

Appearance

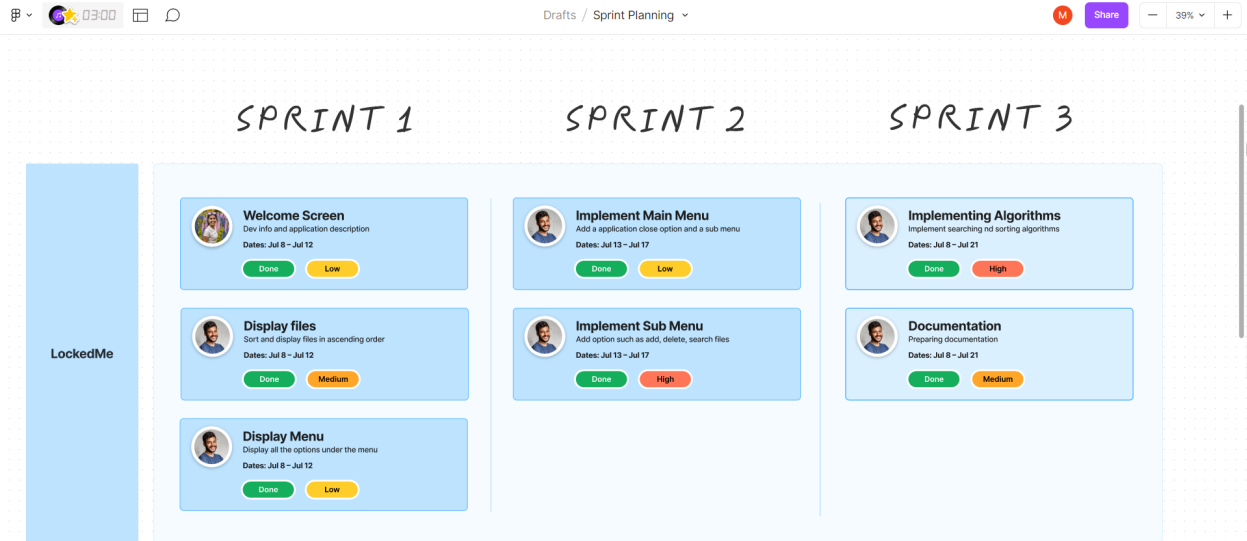
It is a simplistic command line interface application which mainly focuses on providing easy access to files from a directory through CLI.

User Interactions

The main user screen consists of

- Developer details
- List of three options to select from namely
 - 1)Sort files by name
 - 2)Select subcategories
 - 3) Close the application
- And the sub menu consists of
 - a)Add a file
 - b)Delete a file
 - c)Search file
 - d) Exit to main menu

Sprint Planning



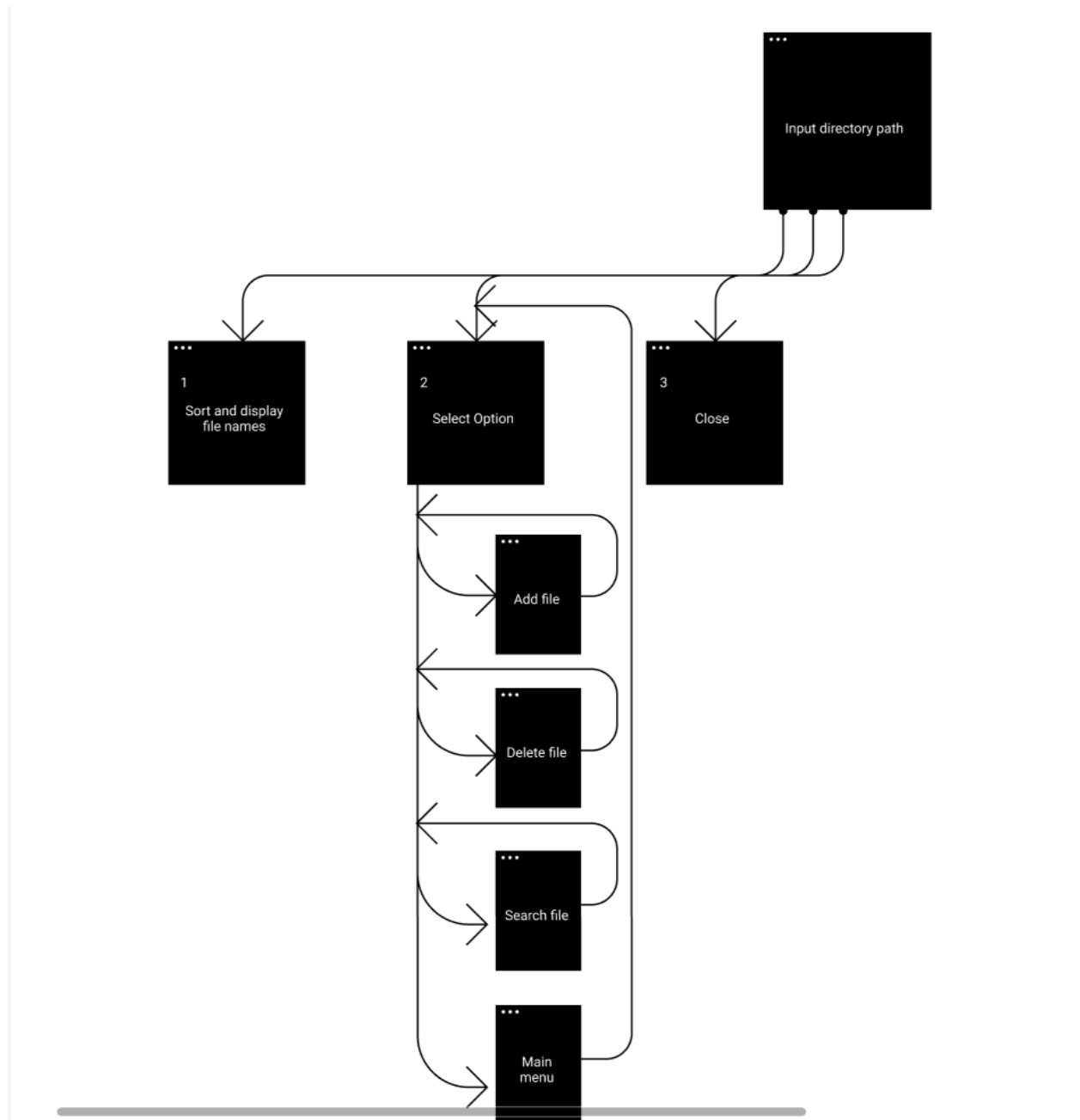
Java Concepts

- 1) Packages
- 2) Exception Handling
- 3) File Handling
- 4) Strings

Data Structures

- 1) Binary Search for searching a file in a directory
- 2) Quick Sort for sorting file names

Flow chart



Execution

- 1) Enter the directory path
- 2) Select an option from the menu displayed

```
eclipse-workspace - Eclipse IDE
File Edit Source Refactor Source Navigate Search Project Run Window Help
App [Java Application] E:\eclipse-jee-2023-03-R-win32-x86_64\ eclipse\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_17.0.6.v20230204-1729\jre\bin\javaw.exe (18-Jun-2023, 4:46:22 am) [pid: 3124]
LockedMe.com
Abrar
-----
Enter a the folder
E://
-----
1.List all the files in the directory.
2.Perform file operations
   1.Add a file           2.Delete a file           3.Search a file           3.Main menu
3.Close the application
-----
Select an Option
1
-----
Sorting by filename in ascending order
$RECYCLE.BIN
Downloads
New folder
Pictures
Social Media.txt
System Volume Information
eclipse-jee-2023-03-R-win32-x86_64
-----
1.List all the files in the directory.
2.Perform file operations
   1.Add a file           2.Delete a file           3.Search a file           3.Main menu
3.Close the application
-----
Select an Option
```

3)Select second option and test all the options available to exit the sub-menu select 4th option
Here I have created a file using the first sub category then searched the newly created file using the third sub option then deleted it and searched it again. After that I have added a new file twice with the same name.

```
eclipse-workspace - Eclipse IDE
File Edit Source Refactor Source Navigate Search Project Run Window Help
App [Java Application] E:\eclipse-jee-2023-03-R-win32-x86_64\ eclipse\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_17.0.6.v20230204-1729\jre\bin\javaw.exe (18-Jun-2023, 4:46:22 am) [pid: 3124]
New folder
Pictures
Social Media.txt
System Volume Information
eclipse-jee-2023-03-R-win32-x86_64
-----
1.List all the files in the directory.
2.Perform file operations
   1.Add a file           2.Delete a file           3.Search a file           3.Main menu
3.Close the application
-----
Select an Option
2
Select a sub-catogery
1
Enter a file name to add:
sample.txt
File created: sample.txt
Select a sub-catogery
3
Enter a file name to search:
sample.txt
File found sample.txt
Select a sub-catogery
2
Enter a file name to delete
sample.txt
Deleted file scuccessfully!
Select a sub-catogery
2
Enter a file name to delete
sample.txt
File not found
Select a sub-catogery
3
Enter a file name to search:
sample.txt
File not found
Select a sub-catogery
```

```
eclipse-workspace - Eclipse IDE
File Edit Source Refactor Source Navigate Search Project Run Window Help
Problems Javadoc Declaration Console x Git Staging Git Reflog History
App [Java Application] E:\eclipse-jee-2023-03-R-win32-x86_64\ eclipse\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_17.0.6.v20230204-1729\jre\bin\javaw.exe. (18-Jun-2023, 4:46:22 am) [pid: 3124]
1.List all the files in the directory.
2.Perform file operations
  1.Add a file      2.Delete a file      3.Search a file      3.Main menu
3.Close the application
-----
Select an Option
2
Select a sub-catogery
1
Enter a file name to add:
sample.txt
File created: sample.txt
Select a sub-catogery
3
Enter a file name to search:
sample.txt
File found sample.txt
Select a sub-catogery
2
Enter a file name to delete
sample.txt
Deleted file scuccessfully!
Select a sub-catogery
2
Enter a file name to delete
sample.txt
File not found
Select a sub-catogery
3
Enter a file name to search:
sample.txt
File not found
Select a sub-catogery
1
Enter a file name to add:
sample.txt
File created: sample.txt
Select a sub-catogery
1
Enter a file name to add:
4
```

4)To close the application select the 3rd option

```
eclipse-workspace - Eclipse IDE
File Edit Source Refactor Source Navigate Search Project Run Window Help
Problems Javadoc Declaration Console x Git Staging Git Reflog History
<terminated> App [Java Application] E:\eclipse-jee-2023-03-R-win32-x86_64\ eclipse\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_17.0.6.v20230204-1729\jre\bin\javaw.exe. (18-Jun-2023, 4:46:22 am - 4:48:55 am) [pid: 3124]
sample.txt
File found sample.txt
Select a sub-catogery
2
Enter a file name to delete
sample.txt
Deleted file scuccessfully!
Select a sub-catogery
2
Enter a file name to delete
sample.txt
File not found
Select a sub-catogery
3
Enter a file name to search:
sample.txt
File not found
Select a sub-catogery
1
Enter a file name to add:
sample.txt
File created: sample.txt
Select a sub-catogery
1
Enter a file name to add:
sample.txt
File already exists.
Select a sub-catogery
4
Closed sub-menu
-----
1.List all the files in the directory.
2.Perform file operations
  1.Add a file      2.Delete a file      3.Search a file      3.Main menu
3.Close the application
-----
Select an Option
3
-----Application closed-----
4
```

Unique Selling Points

This program provides ease of access to files from a directory

You can easily

- Add files
- Delete files
- Search files
- Handle exceptions