

COMPANY LOCKERS Pvt Ltd

Product - **LOCKEDME.COM**

Subject – Documentation for the prototype application

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Application URL - <https://github.com/inu1103/LockedMe.com.git>

- A One Stop Solution for user files

ABOUT

Lockedme.com being a file handling system, is an easy-to-use software tool designed using Java. It helps users to maintain their personal files in a systematic way. It has been embedded by some special features which helps an individual to go through different modification options on a particular file or multiple files, thus giving a better User Experience.

If you are looking for a secured system to store and maintain your personal documents, install LockedMe now.

PRODUCT's CAPABILITIES

➔ User Experience

1. It is a Full-Stack model, which has a completely new and modern design which serves as an interactive User Interface (UI).
2. Simple and Easy design with has a smooth workflow as the user proceed with the options
3. Multiple options to proceed with each with an indicated option to click
4. User can easily enter the process, can go through the process, and can easily exit

➔ Technology Stack

1. Front-end and Back-end part is being implemented using Java Programming Language
2. IntelliJ is used as the Integrated Development Environment (IDE) purpose.
3. Functionalities has been implemented using Data Structures and Sorting Techniques such as ArrayList, HashMap, Binary Search, Bubble Sort, and Strings.

➔ Features

1. With a Welcome Screen, user has 3 different options to choose from in the form of a Dashboard.
2. User can either see the existing stored files, can choose file options, or can return to main menu if no operation needed.
3. Within file options, user can either add a new file, delete an existing file, can search for a particular file by its name, or can return to Dashboard if no operation needed.
4. Stored files List will be available to view in alphabetically sorted order.

➔ Security

1. Lockedme.com is being secured within our servers, which enables a user to store their files safely and to look for them in future.
2. Security features has been implemented using Java, which helps the Software to prevent from data leak, security breach, and system crash respectively.
3. We respect user's privacy and thus provide a highly secured experience.

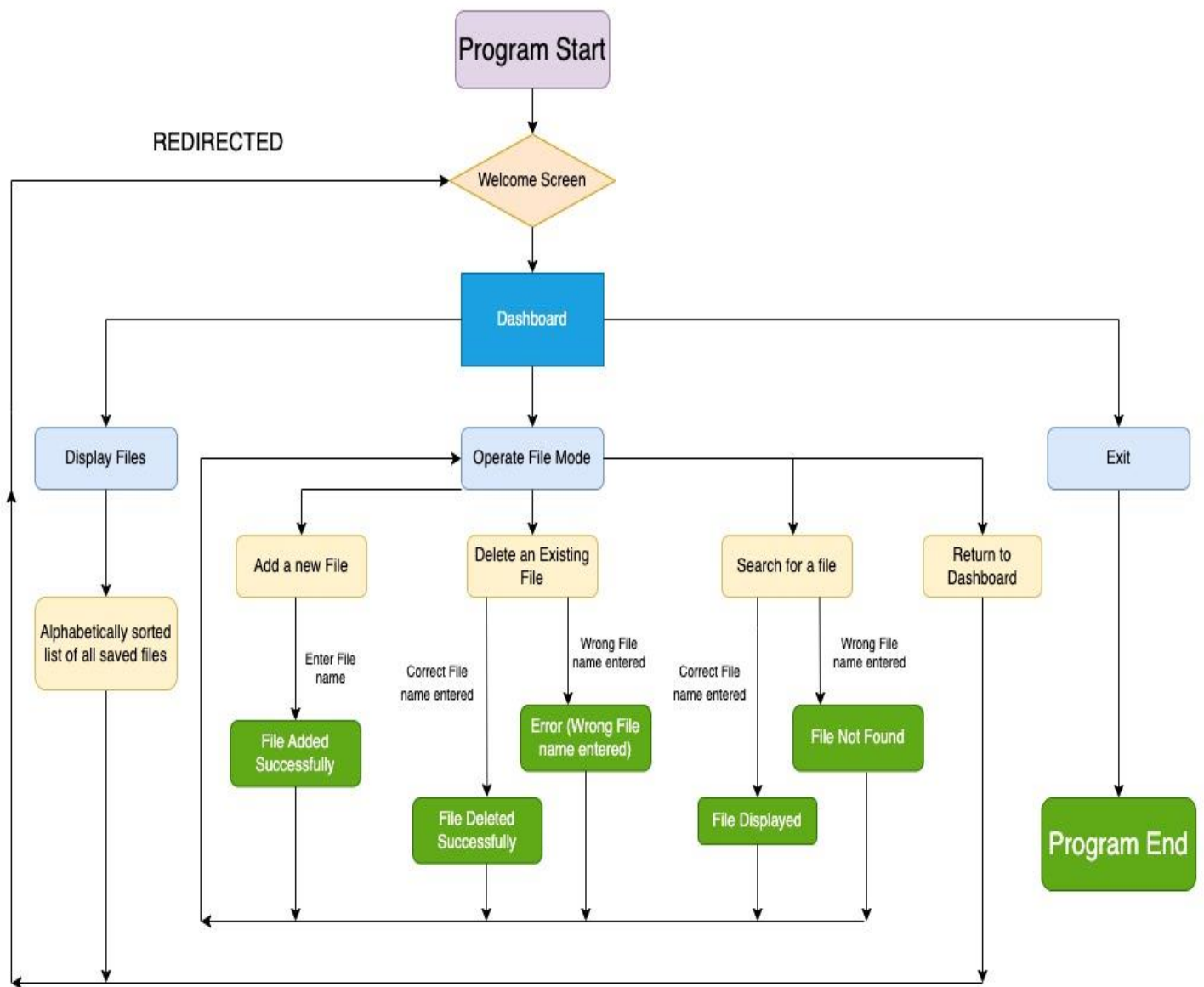
➔ Customer Satisfaction

1. Every user is a valuable entity for Company Locker's Pvt Ltd.
2. It is an Open-Source tool which is available free of cost to everyone.
3. Every user query is solved at highest priority, and valuable feedback is encouraged.

APPEARANCE

User can start with the "Welcome Screen", which will help them to navigate with three different options – View files, File Modifications, and Exit Option. Within File Modifications, user can again go with four different options – Add file, Delete file, Search file, and Return to File Modifications menu. Every user input will direct themselves to their desired choice and the desired output will be obtained as per the input parameters respectively.

The following figure illustrates the workflow of the model :-



- Every file extension and file name are allowed while adding a new file
- Wrong input name to delete a file or search a file will result in an error
- Displaying all the files will result in a single column tabular display of all the file names in ASCENDING ORDER.
- Files will be stored in the filehouse directory after created successfully

USER INTERACTIONS

- The following images will depict the user interactions and step-by-step processing of the application :-

```
-----  
                                LOCKEDME  
  
                                -A One Stop Solution to all of your files  
-----  
  
Developed By : Ishan Lahoti  
  
WELCOME TO DASHBOARD !  
  
1]. DISPLAY ALL FILES  
  
2]. GET ON TO FILE OPERATIONS MENU  
  
3]. *EXIT*
```

```
1  
HERE ARE YOUR STORED FILES :-  
cisco  
hello world  
ishan.html  
ishan.txt  
ishanlahoti.txt  
project.html  
simplilearn.txt  
WELCOME TO DASHBOARD !  
  
1]. DISPLAY ALL FILES  
  
2]. GET ON TO FILE OPERATIONS MENU  
  
3]. *EXIT*
```

```
2  
  
FILE OPERATIONS  
  
1]. ADD A NEW FILE  
  
2]. DELETE AN EXISTING FILE  
  
3]. SEARCH FOR A FILE BY ITS NAME  
  
4]. RETURN TO DASHBOARD
```

```
1
ENTER THE FILE NAME TO BE ADDED :-
helloworld.txt
NEW FILE CREATED AS :- helloworld.txt
```

FILE OPERATIONS

- 1]. ADD A NEW FILE
- 2]. DELETE AN EXISTING FILE
- 3]. SEARCH FOR A FILE BY ITS NAME
- 4]. RETURN TO DASHBOARD

```
2
ENTER THE FILE NAME TO BE DLETED :-
helloworld.txt
DELETED FILE NAME :- helloworld.txt
```

FILE OPERATIONS

- 1]. ADD A NEW FILE
- 2]. DELETE AN EXISTING FILE
- 3]. SEARCH FOR A FILE BY ITS NAME
- 4]. RETURN TO DASHBOARD

```
3
WHICH FILE DO YOU WANT? PLEASE ENTER ITS NAME HERE :-
ishan.txt
HERE'S YOUR FILE :- ishan.txt
```

FILE OPERATIONS

- 1]. ADD A NEW FILE
- 2]. DELETE AN EXISTING FILE
- 3]. SEARCH FOR A FILE BY ITS NAME
- 4]. RETURN TO DASHBOARD

```
4
WELCOME TO DASHBOARD !

1]. DISPLAY ALL FILES

2]. GET ON TO FILE OPERATIONS MENU

3]. *EXIT*
```

```
3]. *EXIT*
```

```
3
```

Process finished with exit code 0

SPRINT PLANNING

- The spring planning for the prototype application for Lockedme.com has been conducted in 15 days, which includes two sprints of 7 and 8 days respectively. A total number of 2 story points has been covered in total, which are divided in 1 and 1 in both the sprints. Each story has 4 tasks respectively.

1. Sprint 1 (7 Days/ 1 Story) :-

Task 1: Requirement Gathering – our team got information from stakeholders via Company Lockers Pvt Ltd to design a Secured File Locker System to store personal files.

Task 2: User Stories – we discussed on the obtained information and proceeded with an idea that user can have multiple options in the system to add/delete/modify/view files.

Task 3: Choice of Tech Stack – before the beginning of the development phase, we decided to develop the model using Java Programming language and its in-built libraries. IntelliJ Idea preferred as the Integrated Development Environment (IDE).

Task 4: Development Planning – we created an on-paper model including the number of pages to be designed, flowchart of the working model, types of services to be included, and ease of providing a user input.

2. Sprint 2 (8 Days/ 1 Story) :-

Task 1: Team Division – we divided a team of 16 people into 4 groups each having 4 members. Each group being working on their own prototype, finalizing with a common result.

Task 2: Development Phase – Starting with coding for the **Welcome Screen**, we move on through developing the **Adding File** option, then we designed the **File Modifications** part, and then we closed it with the **Exit** option. All the required classes, packages, interface, and data storage has been developed accordingly.

Task 3: Testing – Each member from each group individually performed the testing for their prototype model, which took place in 3 iterations, namely unit testing, integration testing, and automation testing. All 3 testing phases passed successfully.

Task 4: Deployment – The complete source code and its documentation with proper screenshots is being pushed to the Repository and available to view in the GIT.