**LockMe.com**

**Specification Document**

**Author**: - Kiran Jadhav

**Updated** **by**: - 06-12-2020

**Table of Contents**

1. Introduction
2. Functional Objectives
3. Use Case Model
   1. Display the lists of files in the directory (in ascending order)
   2. Display the available options for user
   3. Close the application
   4. Add a file in the directory
   5. Delete a file from the directory
   6. Search a file in the directory

# **Introduction**

## **1.1 Purpose of Document**

This is a Requirements Specification document for a File handling controller which is part of ‘LockMe.com’. A file handling controller is an application that is used to store, arrange, and access files stored on a disk or other storage location. The main purpose of a file handling controller is to enable users to create and store new files on a device (laptop or desktop), view all the files stored on the device, and to organize (delete or search) for easy classification.

## **1.2 Project Summary**

Project Name: LockMe.com

Project Manager: SimpliLearn

Project Analysts: Kiran Jadhav

## **1.3 Project Scope**

The scope of this project is a desktop application that supports the centralize control of files.

A file handling controller provides a simple interface that can be used to browse through root folder and access different files.

## **1.4 Need of the application**

You must be familiar with Windows Explorer, which enables its users to browse through the contents of their machine’s hard drive on a single, simple window. Windows Explorer provides you with the ability to create new files, sort files according to different criteria, create file copies, and perform other such file management functions on files. Both, Windows Explorer and Finder for Mac machines, are quite good in satisfactorily delivering the file management needs of an average personal user. However, these default file management systems may not be ideal for business users, especially if the user deals with a large number of business documents on a daily basis.

This particular application will create a dedicated central repository for application where all the files related to this application will reside on particular storage path. This will allow easy maintenance of the data (files) and handy for user.

# **Functional Objectives**

## **2.1 High Priority**

* Welcome screen 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
* Application should return the current file names in ascending order. The root directory can be either empty or contain few files or folders in it.
* Application should return the details of the user interface such as options displaying add file, delete file, search file and option to navigate back to the main context
* There should be an option to close the application

## **2.2 Medium Priority**

The system should return the details of the user interface such as options displaying the following

* Add a file to the existing directory list
* Delete a user specified file from the existing directory list
* Search a user specified file from the main directory
* Option to navigate back to the main context

This will allow application to be more interactive

## **2.3 Low Priority**

Application should not close, exit, or throw an exception if the user specifies an invalid input.

# **The Use Case Model**

## **3.1 Display the lists of files in the directory (in ascending order)**

|  |  |
| --- | --- |
| Use case Name | Display the lists of files in the directory |
| Summary | First option will return the only .txt files in ascending order. The root directory can be either empty or contain few files or folders in it. |
| Basic Flow | 1. Start the application 2. It will display options available for user 3. Enter the choice on the console (Display the lists of files in the directory) 4. It will display file name in ascending order |
| Preconditions | “D:\\LockMe” directory should be present or application should have permission to create directory.  User should enter appropriate choice number in order to get the desire output. |
| Postconditions | It will display all the text file available in the directory in ascending order. |

## **3.2 Display the available options for user**

|  |  |
| --- | --- |
| Use case Name | Display the available options for user |
| Summary | The second option will return the details of the user interface such as options displaying the following   1. Add a file to the existing directory list 2. Delete a user specified file from the existing directory list 3. Search a user specified file from the main directory 4. Option to navigate back to the main context |
| Basic Flow | 1. Start the application 2. It will display options available for user 3. Enter the choice on the console (Display the available options for user) 4. It will display the available options for user |
| Preconditions | “D:\\LockMe” directory should be present or application should have permission to create directory.  User should enter appropriate choice number in order to get the desire output. |
| Postconditions | It will display all the available options for user. |

## **3.3 Close the application**

|  |  |
| --- | --- |
| Use case Name | close the application |
| Summary | The third option will close the application |
| Basic Flow | 1. Start the application 2. It will display options available for user 3. Enter the choice on the console (close the application) 4. It will close the application. |
| Preconditions | “D:\\LockMe” directory should be present or application should have permission to create directory.  User should enter appropriate choice number in order to get the desire output. |
| Postconditions | It will close the application. |

## **3.4 Add a file in the directory**

|  |  |
| --- | --- |
| Use case Name | Add a file in the directory |
| Summary | This option will allow the user to add files in the root directory |
| Basic Flow | 1. Start the application 2. It will display options available for user 3. Enter the choice on the console (Display the available options for user) 4. It will prompt the user menu. 5. Select the option to add file (Add a file in the directory) 6. Enter the file name that you want to add 7. It will add .txt file into root directory. |
| Preconditions | “D:\\LockMe” directory should be present or application should have permission to create directory.  User should enter appropriate choice number in order to get the desire output. |
| Postconditions | It will create .txt file and if file already exist in the directory it will prompt the message as file already exist. |

## **3.5 Delete a file from the directory**

|  |  |
| --- | --- |
| Use case Name | Delete a file from the directory |
| Summary | This option will allow the user to delete file from root directory |
| Basic Flow | 1. Start the application 2. It will display options available for user 3. Enter the choice on the console (Display the available options for user) 4. It will prompt the user menu. 5. Select the option to delete file (Delete a file from the directory) 6. Enter the file name that you want to delete 7. It will delete file from root directory. |
| Preconditions | “D:\\LockMe” directory should be present or application should have permission to create directory.  User should enter appropriate choice number in order to get the desire output. |
| Postconditions | It will delete file and if file not exist in the directory it will prompt the message as File not found. |

## **3.6 Search a file in the directory**

|  |  |
| --- | --- |
| Use case Name | Search a file in the directory |
| Summary | This option will allow the user to search |
| Basic Flow | 1. Start the application 2. It will display options available for user 3. Enter the choice on the console (Display the available options for user) 4. It will prompt the user menu. 5. Select the option to Search file (Search a file in the directory) 6. Enter the file name that you want to search 7. It will search file and display the details of the file. |
| Preconditions | “D:\\LockMe” directory should be present or application should have permission to create directory.  User should enter appropriate choice number in order to get the desire output. |
| Postconditions | It will search file in the directory, it will display the file details, if file not exist in directory it will prompt the message as file not found. |