**Project LockedMe.com and Developer Details**

**Project Name** : LockedMe.com

**Project Details** : It is file management system, which creates a root directory by creating a bin folder in the file application. It gives user the capability to list files/folder present in this root directory as well as add and remove files from this root directory. It also gives the user a capability to search all the files with a particular name in the directory.

**Developer Details** :

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**Sprint Details**

**No of Sprints planned**: 2

**Sprint 1 Detail:** In sprint 1,a basic structure of application was developed which included displaying the welcome screen and taking user inputs and listing the files in the root directory.

The application has three tier structure.First layer displays developer details and operations to perform.

1.When application is run welcome screen appears with developer details and options are provided : to retrieve the files or go into 2nd layer or exit the application.

2.Business Level Operations layer is accessed when the user select the second option in Welcome screen.

This structure was created using various classes and interface.The logic to access and list all the files present in root directory was developed

**Sprint 2 Detail:**In Sprint two :the basic application was enhanced and methods were added to the Business level Operations to perform operations on the files.

The methods that were added were add/delete/search for files in the root directory.

**Core Concepts Used**

-Java concepts implemented in application

1)Classes

2)Interfaces

3)Inheritance

4)static keyword

5)Collections

6)Constructor

7)Data Encapsulation

8)Java I/O

9)Exception Handling

10)if else, switch statement,while loop and other logics used in the application.

11)Sorting

**Conclusion**

This is a basic prototype of the application and a lot of improvements can be done in the application.One can add a functionality of writing in the files present in the directory.Other thing that can be done is to open the file at search time and display it.We can also add the functionality of adding and deleting files in the subdirectories.In all,if fully developed it can act as a secure file management system and one can keep their data at locked

**Github Repository link :**

Code for the application can be found at github-

https://github.com/kavitasuthar/LockedMeProject

**Algorithm/Flowchart**

LockedMe

Run main

Welcome

Option 3: search file in root directory

Option 4:go back to the business validation level.

Option 2: delete file from root directory

Option 1:add file in the root directory

Option 3:exit the application

Option 2:Go to Business Operations sub Menu

Option 1:show all files in root directory

Business Validation