**Phase 1 -Lockme.com Writeup**

Project name: Virtual Key for Your Repositories

Software used: Eclipse

Language: Java

The project is created to perform certain operations welcome screen is presented as lockme.com. The name of the application is given as lockme.com. The developer details are added by the name of the developer.

I have added method to automatically create some test files in system. It will print message that some files have been automatically created in the system at running.

In the first user console the user has to select the 3 options from the given category

Given as: Please select the below options

1. **Retrieving the file in ascending order**. (Here we are sorting the file list)
2. **Business level operation**

For second option of Business level operations three operations are performed on it

1. Option to add a user specified file to the application. File name is case sensitive.
2. Option to delete a user specified file from the application. Delete the added file or already contained file. File name is case sensitive.
3. Option to search a user specified file from the application. Search the file It checks the file is present in the directory if the file is not found the error message is generated FILE NOT FOUND.
4. Back to main menu options, Navigation to close the current execution context and return to the main context and return to the main context
5. **Exit the Application - Main Manu option**

When third option is selected the application is closed and closing message is printed.

* **Following are the execution process of this projects:**

Main console options:

1-> List of files in directory

2->Add delete or search

3->Exit Program

1.When a user chooses 1: It show list of all file which are present in the directory

2-> When a user chooses 2: Operations – Add, Delete or Search

a -> Add a File

b ->Delete a File

c -> Search a File

d -> Go Back

a -> Add a File: when user choice a then file is created

b-> Delete a File: when user choice b then file is deleted

c-> Search a file: when user choice c then the file is searched

d-> Go Back: when user choice d then the file is go back to main menu

3-> Exit Program: when user choice 3 then it will be a Exit from program.

**Flowchart:**

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RUN

Business level Operations

Operation to be performed

Welcome Screen

Application name and Developer details

Back to main menu

Add File

Search File

Delete

Back to main menu

Exit Application

Printing list

Retrieving Files

Stop

In the project I have used different Methods, Constructors and Classes for the implementation of the project.

Below I will mention some of their details:

import java.io.File;

import java.io.FileWriter;

import java.util.Scanner;

import java.io.IOException;

import java.nio.file.Files;

import java.nio.file.Paths;

import java.util.Arrays;

import java.util.Collections;

import java.util.List;