**Project Description :-** As a Full Stack Developer, complete the features of the application by planning the development in terms of sprints and then push the source code to the GitHub repository. As this is a prototyped application, the user interaction will be via a command line.   
Company Lockers Pvt. Ltd. hired you as a Full Stack Developer. They aim to digitize their products and chose LockedMe.com as their first project to start with. You’re asked to develop a prototype of the application. The prototype of the application will be then presented to the relevant stakeholders for the budget approval. Your manager has set up a meeting where you’re asked to present the following in the next 15 working days (3 weeks).  
  
**Developer Details :-** Aashish Kumawat  
  
  
**Sprints Planned and the tasks achieved in them :-**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sprint no. | Task Planned | Start Date | End Date | Action | Days |
| 1 | Analysis | 09/01/2023 | 13/01/2023 | Started doing analysis of the project | 5 |
| 1 | Writing Code | 14/01/2023 | 18/01/2023 | Started Writing of the source code for this project | 5 |
| 1 | Testing | 19/01/2023 | 21/01/2023 | Test all things | 3 |
| 1 | Documentation | 22/01/2023 | 23/01/2023 | Make Document | 2 |

**Core Concept used in the project :-** I was used java concept like File, Switch Case and Exception in this project.  
  
**Source code :-**  
  
package com.caltech.Lockme;

import java.io.File;

import java.io.IOException;

import java.util.Scanner;

public class LockMeMain {

public static void main(String[] args) throws IOException {

// TODO Auto-generated method stub

String path="c:\\caltech\\";

String filename;

String finalpath;

File[] filesname;

while(true) {

System.out.println("==========================================================");

System.out.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*File Opertions Test\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

System.out.println("==========================================================");

System.out.println("Enter a digit to perform following operations:\n");

System.out.println("1. Create a file");

System.out.println("2. Delete a file");

System.out.println("3. Display the files of a directory in ascending order");

System.out.println("4. Search a file");

Scanner sc=new Scanner(System.in);

int input = sc.nextInt();

switch (input) {

case 1:

System.out.println("Enter a file name to be created: ");

filename=sc.next();

finalpath=path+filename;

System.out.println(finalpath);

//create a file

File file=new File(finalpath);

boolean res=file.createNewFile();

if(res!=true) {

System.out.println("File is not created");

}

else {

System.out.println("File is created successfully.");

}

break;

case 2:

System.out.println("Enter the file name to be deleted: ");

filename=sc.next();

finalpath=path+filename;

System.out.println(finalpath);

file=new File(finalpath);

//delete operation

file.delete();

System.out.println("File is deleted successfully.");

break;

case 3:

file=new File(path);

//display operation

filesname = file.listFiles();

//for-each

System.out.println("The list of files in asscending order in the directory \""+ path +"\" is: ");

for(File ff:filesname) {

System.out.println(ff.getName());

}

break;

case 4:

System.out.println("Enter a file name to search:");

String filenamesearch=sc.next();

file=new File(path);

//display operation

filesname = file.listFiles();

//for-each

int flag=0;

for(File ff:filesname) {

if(ff.getName().equals(filenamesearch)) {

flag=1;

break;

}

else {

flag=0;

}

}

if(flag==1) {

System.out.println("File is found");

}

else {

System.out.println("File is not found");

}

break;

default:

System.out.println("Invalid input. Enter a valid number.");

break;

}

}

}

}