Project Phase 1 Write Up

Project name: LOCKED ME.COM

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Background of the problem statement:

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):

This document contains sections for:

● Sprint planning and Task completion

● Core concepts used in project

● Flow of the Application.

 ● Conclusions

Sprints planning and Task completion

 The project is planned to be completed in 1 sprint. Tasks assumed to be completed in the sprint are:

• Creating the flow of the application

 • Initializing git repository to track changes as development progresses.

• Writing the Java program to fulfill the requirements of the project

. • Testing the Java program with different kinds of User input

• Pushing code to GitHub.

 • Creating this specification document highlighting application capabilities, appearance, and user interactions.

Product capability:

Generic features and three operations:

Retrieving the file names in an ascending order

Business-level operations:

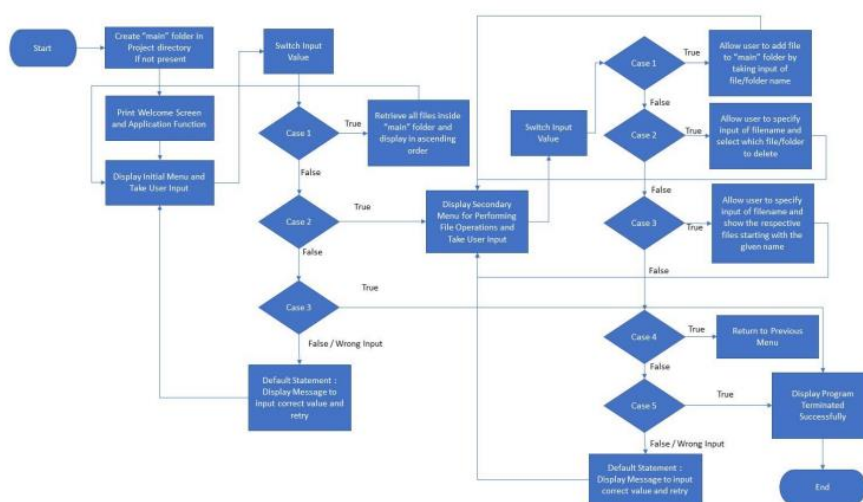Option to add a user specified file to the application

Option to delete a user specified file from the application

Option to search a user specified file from the application

Navigation option to close the current execution context and return to the main context

Option to close the application

Flow of the Application

Source Code Of Project:

```
import java.io.File;

import java.io.IOException;

import java.util.ArrayList;

import java.util.Scanner;

public class Project {


//create File ....
public static void genaretFile(String fileName) throws IOException
{
String filePath="A:\\New folder (4)\\";

ArrayList<String> aList=new ArrayList<String>();
```

```java
System.out.println("enter the file name to create");
String finalname=filePath+fileName;


File f=new File(finalname);
boolean b=f.createNewFile();
if(b!=true)
{
System.out.println("the file not created");
}
else
{
aList.add(fileName);
System.out.println("file created");
}


System.out.println("Your list is .... "+aList);
}


//Delete Function

public static void deleteFile(String fileName) {
String path="A:\\New folder (4)\\";


String finalfile=path+fileName;
File file=new File(finalfile);
file.delete();
System.out.println("file deleted");
```

```
}
//Searching Function

public static void serchFile(String serchingFileName) {
String path="A:\\New folder (4)\\";
File f=new File(path);
File filename[]=f.listFiles();
int count=0;
for(File ff:filename) {

if(ff.getName().equals(serchingFileName))
{
count++;
break;
}else {
count=0;
}
}
if (count!=0) {
System.out.println("You have "+serchingFileName+" File :)");

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

//Display File List...

public  static void displayFile() {
```

```java
String path="A:\\New folder (4)\\";
File f=new File(path);
File filename[]=f.listFiles();
System.out.println("Your File List.......");
for(File ff:filename) {
System.out.println(ff.getName());
}
}



//Main Method Start....


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


Scanner scanner =new Scanner(System.in);
boolean c=true;
//for stop Main menu;


while(c) {
System.out.println("-----------------Welcome Virtual Key for Your Repositories----------------");
System.out.println("-----------------Developer= Shubham Bapusaheb Bhavar----------------------");
System.out.println();
System.out.println("1.Retrive File ");
System.out.println("2.Enter in Menu ");
System.out.println("3.Exit the System");
System.out.println();
```

```java
boolean b=true;
int x=scanner.nextInt();
switch (x) {
case 1:{
displayFile();
System.out.println();
break;
}
case 2:
{                    while(true) {
System.out.println("File Options Menu");
System.out.println();
System.out.println("1) Create File");
System.out.println("2) Delete File");
System.out.println("3) Search File");
System.out.println("4) Go Main Menu");
System.out.println("5) Exit");
System.out.println();
int i=scanner.nextInt();

if(i<=0 || i>=6) {

System.out.println("wo ho you not enter valid number....  ");
System.out.println();

}else{
```

```java
if(i==1){
System.out.println("Enter the File Name for Create");

String  FileForCreate=scanner.next();
genaretFile(FileForCreate);
System.out.println();


}
else if(i==2) {
System.out.println("Enter the File Name for Delete");
String FileForDelete=scanner.next();
deleteFile(FileForDelete);
System.out.println();
}
else if(i== 3) {
System.out.println("Enter the File Name for Serching");


String FileForSerching=scanner.next();
serchFile(FileForSerching);
System.out.println();
}
else if(i==4) {
System.out.println("Welcom in Main menu,..........");
System.out.println();
break;
}
else if(i==5) {
```

```java
System.out.println(" Exit,..........");
System.out.println();
break;
}
}


}
break;
}


case 3:{
System.out.println("System closse...");
c=false;
break;


}
}




}


}


}
```

Number and duration of sprints required:

It requires a time of 4 days to complete the project.

Java concepts being used in the project:

Package, class, exception handling, sorting, switch case, while loops, array and strings, inheritan.

Software requirement:

Eclipse ide.

Conclusions:

Further enhancements to the application can be made which may include:

• Conditions to check if user is allowed to delete the file or add the file at the specific locations.

• Asking user to verify if they really want to delete the selected directory if it's not empty.

• Retrieving files/folders by different criteria like Last Modified, Type, etc.

• Allowing user to append data to the file.