FUNCTIONAL SPECIFICATION DOCUMENT

Project: Prototype of Application - LockedMe.Com

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PROJECT DETAIL:

The Application; LockedMe.Com is a prototype file landler with specific user definitions. It provides all products specification about the company Lockers Pvt. Ltd

SPRINTS

Sprint I

- 1. Systematically plan out the entire application flow.
- 2. Analyze critically all the business logics defined.
 - a. Option to add a user
 - b. Option to delete a user
 - c. Option to search a user
 - d. Nav option to close or return operational context
- 3. Design an extra business operation to close the application.

Sprint II

- 1. Plan and define the application's framework, data structures and concepts such as exceptions, collection, and sorting.
- 2. Implement the business level operation.

Sprint III

1. Test and deploy the application

BUSINESS OPERATIONS

Business level operations defined in this application are detailed below

- 1. Show files (in ascending order)
- 2. Add, delete, search a file.
- 3. Close the application.

Defined classes of the application

1. Loc_Main Class

This is the main method of the application:

It contains the options to display the user interaction information.

2. Loc_Options Class

This contain the five methods to be called in the Loc_Main class.

These are sortFile, showFile, addFile, deleteFile and searchFile.

SCREENSHOTS OF SOME OPERATIONS

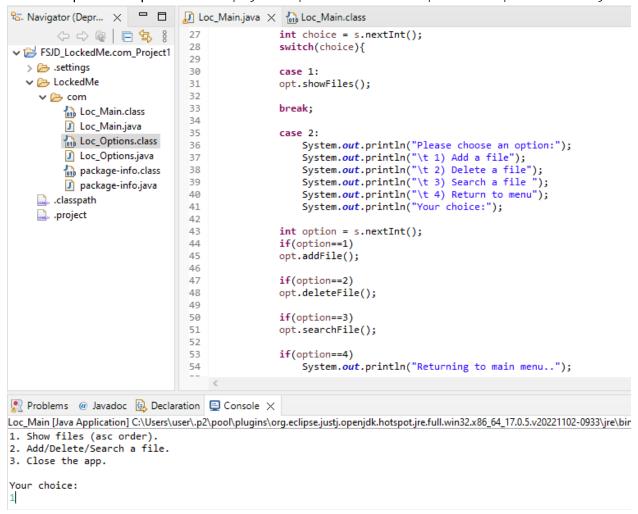
Welcome Screen: This displays the welcome screen and introduce users to the available features

```
→ FSJD_LockedMe.com_Project1

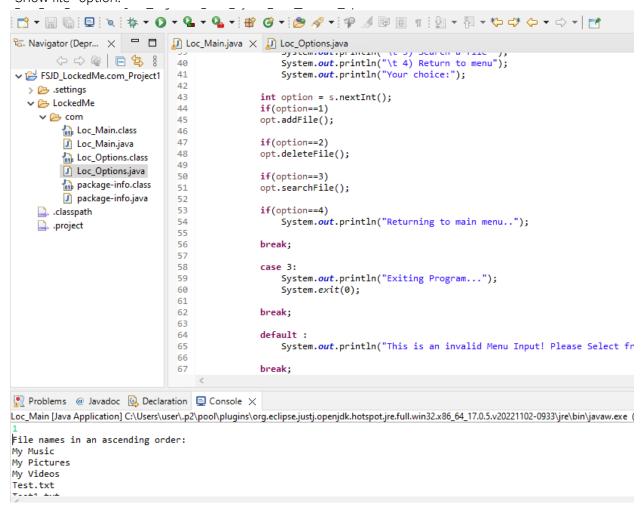
→ 3⊕ import java.io.*;

□
   > 🗁 .settings
   7 public class Loc_Main {
      🗸 🗁 com
                                     9⊝
                                                    public static void main (String[] args) throws IOException {
           🚹 Loc_Main.class
                                   Q<sub>1</sub>10
                                                         Scanner s = new Scanner(System.in);
           Loc_Main.java
                                     11
                                                         Loc_Options opt = new Loc_Options();
           Loc_Options.class
                                                              System.out.println("--- ***** Welcome ***** ---" );
           Loc_Options.java
                                     13
                                                              System.out.println("--- ***** Application: LockedMe.com ***** -
           nackage-info.class
                                      14
                                                             System.out.println("--- ****** Developer: Martin Oduro Nyarko *****
System.out.println("--- ***** Email: kn_nyarko@yahoo.com ***** ---'
System.out.println("--- ***** Github Account: Nana-KJ ***** ---");
                                     15
           package-info.java
      🔜 .classpath
                                      17
      .project
                                      18
                                                         while (true) {
                                      19
                                      20
                                                              System.out.println(" \nPlease choose from the menu:");
System.out.println("1. Show files (asc order).");
                                      21
                                      22
                                                              System.out.println("2. Add/Delete/Search a file.");
System.out.println("3. Close the app.\n");
System.out.println("Your choice:");
                                      23
                                      24
                                      26
                                      27
                                                         int choice = s.nextInt();
                                                         switch(choice){
                                      28
                                      29
                                                         case 1:
🥋 Problems @ Javadoc 📵 Declaration 📮 Console 🗶
Loc_Main [Java Application] C:\Users\user\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.5.v20221102-0933\jre\bin\javaw.exe
--- ***** Welcome ***
--- ***** Application: LockedMe.com ***** ---
--- ***** Developer: Martin Oduro Nyarko ***** ---
--- **** Email: kn nyarko@yahoo.com ***** ---
--- ***** Github Account: Nana-KJ ***** ---
```

Business Operation (Options): This displays the options for the user to perform the preferred activity.



Business Operations (1. Show files): This displays all the files in ascending order when user selects the "Show file" option.



Business Operation (Return Operation): This option allows the user to return to the main menu for further operations.

