```java
1  package code;
2  import java.io.File;
3      import java.io.IOException;
4      import java.util.Arrays;
5      import java.util.Scanner;
6
7      public class LockedMe {
8      static String DIRECTORY;
9          File folder_name;
10
11      public LockedMe() {
12      DIRECTORY = System.getProperty("user.dir");
13      folder_name = new File(DIRECTORY+"/files");
14      if (!folder_name.exists())
15      folder_name.mkdirs();
16      System.out.println("DIRECTORY : "+ folder_name.getAbsolutePath());
17          }
18
19      private static final String WELCOME_PROMPT =
20      "\n  JavaProject.com"+
21      "\n SHUBHAM KUMAR \n";
22
23      private static final String MAIN_MENU_PROMPT =
24      "\nMAIN MENU - Select any of the following: \n"+
25      "1 -> List files in directory\n"+
26      "2 -> Add, Delete or Search\n"+
27      "3 -> Exit Program";
28
29      private static final String SECONDARY_MENU_PROMPT =
30      "    \nSelect any of the following: \n"+
31      "    a -> Add a file\n"+
32      "    b -> Delete a file\n"+
33      "    c -> Search a file\n"+
34      "    d ->GoBack";
35
```

```java
35
36⊖    void showPrimaryMenu() {
37     System.out.println(MAIN_MENU_PROMPT);
38     try{
39                 Scanner scanner = new Scanner(System.in);
40     int option = scanner.nextInt();
41     switch (option){
42     case 1 : {
43     showFiles();
44     showPrimaryMenu();
45                 }
46     case 2 : {
47     showSecondaryMenu();
48                 }
49     case 3 : {
50     System.out.println("Thank You");
51     System.exit(0);
52                 }
53     default: showPrimaryMenu();
54                 }
55             }
56     catch (Exception e){
57     System.out.println("Please enter 1, 2 or 3");|
58     showPrimaryMenu();
59             }
60         }
61
62⊖    void showSecondaryMenu() {
63     System.out.println(SECONDARY_MENU_PROMPT);
64     try{
65                 Scanner scanner = new Scanner(System.in);
66     char[] input = scanner.nextLine().toLowerCase().trim().toCharArray();
67     char option = input[0];
68
```

```java
68
69      switch (option){
70      case'a' : {
71      System.out.print("↳ Adding a file...Please Enter a File Name : ");
72                      String filename = scanner.next().trim().toLowerCase();
73      addFile(filename);
74      break;
75                          }
76      case'b' : {
77      System.out.print("↳ Deleting a file...Please Enter a File Name : ");
78                      String filename = scanner.next().trim();
79      deleteFile(filename);
80      break;
81                          }
82      case'c' : {
83      System.out.print("↳ Searching a file...Please Enter a File Name : ");
84                      String filename = scanner.next().trim();
85      searchFile(filename);
86      break;
87                          }
88      case'd' : {
89      System.out.println("Going Back to MAIN menu");
90      showPrimaryMenu();
91      break;
92                          }
93      default :System.out.println("Please enter a, b, c or d");
94                      }
95      showSecondaryMenu();
96              }
97      catch (Exception e){
98      System.out.println("Please enter a, b, c or d");
99      showSecondaryMenu();
```

```java
100                }
101            }
102
103⊖    void showFiles() {
104        if (folder_name.list().length==0)
105        System.out.println("The folder is empty");
106        else {
107        String[] list = folder_name.list();
108        System.out.println("The files in "+ folder_name +" are :");
109        Arrays.sort(list);
110        for (String str:list) {
111        System.out.println(str);
112                }
113            }
114        }
115
116⊖    void addFile(String filename) throws IOException {
117            File filepath = new File(folder_name +"/"+filename);
118        String[] list = folder_name.list();
119        for (String file: list) {
120        if (filename.equalsIgnoreCase(file)) {
121        System.out.println("File " + filename + " already exists at " + folder_name);
122        return;
123                }
124            }
125        filepath.createNewFile();
126        System.out.println("File "+filename+" added to "+ folder_name);
127            }
128
129⊖    void deleteFile(String filename) {
130            File filepath = new File(folder_name +"/"+filename);
131        String[] list = folder_name.list();
132        for (String file: list) {
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```java
131        String[] list = folder_name.list();
132        for (String file: list) {
133        if (filename.equals(file) &&filepath.delete()) {
134        System.out.println("File " + filename + " deleted from " + folder_name);
135        return;
136                    }
137                }
138        System.out.println("Delete Operation failed. FILE NOT FOUND");
139            }
140
141⊖    void searchFile(String filename) {
142        String[] list = folder_name.list();
143        for (String file: list) {
144        if (filename.equals(file)) {
145        System.out.println("FOUND : File " + filename + " exists at " + folder_name);
146        return;
147                    }
148                }
149        System.out.println("File NOT found (FNF)");
150            }
151
152⊖    public static void main(String[] args) {
153        System.out.println(WELCOME_PROMPT);
154        LockedMe menu = new LockedMe();
155        menu.showPrimaryMenu();
156            }
157    }
158
159
160
161
```