```java
package com;
import java.io.File;
import java.io.IOException;
import java.util.Arrays;
import java.util.Scanner;

public class LockedMe {
    static String DIRECTORY;
    File folder_name;

    public LockedMe() {
        DIRECTORY = System.getProperty("user.dir");
        folder_name = new File(DIRECTORY+"/files");
        if (!folder_name.exists())
            folder_name.mkdirs();
        System.out.println("DIRECTORY : "+ folder_name.getAbsolutePath());
    }

    private static final String WELCOME_PROMPT =
            "\n*****************  LockedMe.com ******************"+
                    "\n***************** Abhinov Gogoi ******************\n";

    private static final String MAIN_MENU_PROMPT =
            "\nMAIN MENU - Select any of the following: \n"+
                    "1 -> List files in directory\n"+
                    "2 -> Add, Delete or Search\n"+
                    "3 -> Exit Program";

    private static final String SECONDARY_MENU_PROMPT =
            "   \nSelect any of the following: \n"+
                    "   a -> Add a file\n"+
                    "   b -> Delete a file\n"+
                    "   c -> Search a file\n"+
                    "   d -> GoBack";

```

```
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
69            switch (option){
70                case 'a' : {
71                    System.out.print("↳ Adding a file...Please Enter a File Name : ");
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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();
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) {
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 
```

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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 }
```