

# SOURCE CODE SNAPSHOTS

## BUSINESS OPERATIONS JAVA FILE

```
1 package FileSystem;
2
3 import ...
4
5
6
7 public class BusinessOperations {
8
9     1 usage
10     public static void main() throws IOException, URISyntaxException {
11
12         Scanner sc = new Scanner(System.in);
13         boolean flag = true;
14         while(flag){
15             System.out.println("FILE OPTIONS MENU");
16             System.out.println("\nPlease select an option from below\n");
17             // FileResourcesUtils.main("screen2");
18             System.out.println("-> Press 1 To Add a File");
19             System.out.println("-> Press 2 To Delete a File");
20             System.out.println("-> Press 3 To Search a File");
21             System.out.println("-> Press 4 To Return To Menu");
22             System.out.println("Enter your choice:");
23             System.out.println();
24             // System.out.println();
25             int opt = sc.nextInt();
26             switch (opt){
27                 case 1:
28                     System.out.println("\nPlease enter the file name\n");
29                     String name = sc.next();
30                     Files.CreateFile(name);
31                     break;
32                 case 2:
33                     System.out.println("\nPlease enter the file name you want to delete");
34                     String nAme = sc.next();
35                     Files.Delete(nAme);
36                     System.out.println();
37                     break;
38                 case 3:
39                     System.out.println("\nPlease enter the file name you want to search\n");
40                     String Name = sc.next();
41                     Files.searchFiles(Name);
42                     System.out.println();
43                     break;
44                 case 4:
45                     flag = false;
46                     break;
47                 default:
48                     System.out.println("\nPlease select a valid option\n");
49             }
50         }
51     }
52 }
```

```

47         System.out.println("Please select a valid option");
48     }
49 }
50 System.out.println("\nEnd of Business Operations\n");
51
52
53 }
54 }

```

## SCREENS JAVA FILE

```

1  package FileSystem;
2
3  import java.util.ArrayList;
4  5 usages
5  public class Screens {
6
7      1 usage
8      public static void main(){
9          Screens view = new Screens();
10         System.out.println();
11         view.WelcomeString();
12     }
13     1 usage
14     public void WelcomeString(){
15         int count = 20;
16         String productName = "*!*!*!*!*!*!* PRESENTING YOU APPLICATION LOCKEDME.COM BY L
17         String developerName = "\t\t\t\tDeveloped By -> KARTIK DIXIT";
18         System.out.println();
19         System.out.println(productName);
20         System.out.println(developerName);
21         System.out.println("=====
22         System.out.println();
23     }
24 }

```

## MAIN JAVA FILE

```
1  package FileSystem;
2
3  import ...
4
5
6
7
8  public class Main {
9      public static void main(String[] args) throws IOException, URISyntaxException {
10
11      Screens screens = new Screens();
12      Scanner sc = new Scanner(System.in);
13
14      Screens.main();
15
16      boolean flag = true;
17
18      while (flag){
19          System.out.println("MAIN MENU");
20          System.out.println("\nPlease select an option from below\n");
21          // FileResourcesUtils.main("screen1");
22          System.out.println("-> Press 1 To Show Existing Files");
23          System.out.println("-> Press 2 To Show File Options Menu");
24          System.out.println("-> Press 3 To Quit The Application");
25          System.out.println("Enter your choice:");
26          System.out.println();
27          // System.out.println();
28          int opt = sc.nextInt();
29          switch (opt){
30              case 1:
31                  Files.ListAllFiles();
32                  System.out.println();
33                  // System.out.println();
34                  break;
35              case 2:
36                  BusinessOperations.main();
37                  break;
38              case 3:
39                  flag = false;
40                  break;
41              default:
42                  System.out.println("\nPlease select a valid option\n");
43                  System.out.println();
44                  break;
45          }
46      }
47      System.out.println("End of application.Thank you");
48  }
```

## FILES JAVA FILE

```
1 package FileSystem;
2
3 import java.io.*;
4 import java.io.IOException;
5
6 public class Files {
7     final static String dir = System.getProperty("user.dir")+"/FileSystem/target/files/";
8     public static void CreateFile(String name){
9         // String dir = System.getProperty("user.dir");
10        System.out.println(dir+name+".txt");
11        try{
12            File obj = new File( pathname: dir+name+".txt");
13            if (obj.createNewFile()){
14                System.out.println("File created Successfully : "+name);
15            }
16            else {
17                System.out.println("File already present! ");
18            }
19        } catch (IOException e){
20            System.out.println("An error occurred");
21            e.printStackTrace();
22        }
23    }
24    public static void searchFiles(String name){
25        String[] ls = getFiles();
26        if (name == null || ls == null) {
27            System.out.println("\nFiles does not exist\n");
28        } else if (ls != null) {
29            for (String str:ls){
30                // System.out.println(str+" "+name+".txt"+str.substring(0,str.length() - 4));
31
32                if (str.substring(0,str.length() - 4).equals(name)){
33                    System.out.println("File present in the Application");
34                    return;
```

```

35         }
36     }
37 }
38     System.out.println("File not present in the application");
39 }
    2 usages
40 public static String[] getFiles(){
41     System.out.println(dir);
42     File obj = new File(dir);
43     String contents[] = obj.list();
44     return contents;
45 }
    1 usage
47 public static void ListAllFiles(){
48     String[] ls = getFiles();
49     if(ls.length==0){
50         System.out.println("No existing files");
51     }else{
52         for(String str:ls){
53             System.out.println(str);
54         }
55     }
56
57     System.out.println();
58
59 }
    1 usage
61 public static void Delete(String name){
62     File file = new File( pathname: dir+" "+name+".txt");
63     System.out.println(file);
64     // searchFiles(name);
65     if (file.delete()){
66         System.out.println("File "+name+".txt has been deleted successfully");
67     }else {
68         System.out.println("Unable to delete the file");

```