```java
package com.company;
import java.util.Collections;
import java.util.List;
import java.util.Scanner;
import java.io.File;
import java.io.IOException;
import java.nio.file.Files;
import java.nio.file.Path;
import java.nio.file.Paths;
import java.util.ArrayList;

public class narendraproject {

    public static void showWelcomeMessage() {
        System.out.println("-------------------------------------------------");
        System.out.println("**********|| Welcome To Lockedme.com ||**********");
        System.out.println("-------------------------------------------------");
        System.out.println("");
        System.out.println("  APPLICATION NAME: Virtual Key Repository");
        System.out.println("");
        System.out.println("--------------|| Developer Details ||------------");
        System.out.println("");
        System.out.println("* Name:-          NARENDRA MANDWE");
        System.out.println("* DESIGNATION:-   FULL STACK DEVELOPER");
        System.out.println("* DATE:-          03/09/2022");
        System.out.println("");
        System.out.println("-------------------------------------------------");
        System.out.println("-------------------------------------------------");

    }

    public static void displayMainSelectionOptions() {
        System.out.println("\n You can select below options");
        System.out.println("");

        String[] arr = { "1. I wish to get file names in ascending order",
                "2. I wish to perform Business Level Operation",
                "3. Close the application"};
        int[] arr1 = { 1, 2, 3 };
        int slen = arr1.length;
        for (int i = 0; i < slen; i++) {
            System.out.println(arr[i]);
            // display the all the Strings mentioned in the String array
        }
    }

    public static void displayBussinessOperationOptions() {
        System.out.println("");
        System.out.println("You can select below options");
        System.out.println("");

        String[] arr = { "1. I wish to add a file to the existing directory list",
                "2. I wish to delete a file from the existing directory list",
                "3. I wish to search a file from the main directory",
                "4. Back to the main context" };
        int[] arr1 = { 1, 2, 3, 4};
        int slen = arr1.length;
        for (int i = 0; i < slen; i++) {
            System.out.println(arr[i]);
            // display the all the Strings mentioned in the String array
        }
    }
```

```
    public static int getMainOperationSelection(Scanner sc) {
        System.out.println("enter any of above option");
        return sc.nextInt();

    }

    public static int getBussinessOperationSelection(Scanner sc) {
        System.out.println("enter any of above bussiness operation you want to
perform");
        return sc.nextInt();
    }

    public static String getFileNameFromUser(Scanner sc) {
        System.out.println("Enter file name to perform file operations: ");
        return sc.next();
    }

    private static final int GET_NAMES = 1;
    private static final int BUSSINESS_OPERATIONS = 2;
    private static final int CLOSE_APP = 3;

    public static void performOperations(Scanner sc) {
        while(true) {
            Welcome.displayMainSelectionOptions();

            int opr = UserInputs.getMainOperationSelection(sc);

            switch (opr) {
                case GET_NAMES: {
                    getFilesInAcsendingOrder();
                    break;
                }
                case BUSSINESS_OPERATIONS: {
                    Welcome.displayBussinessOperationOptions();
                    int selection = UserInputs.getBussinessOperationSelection(sc);
                    BussinessOperations.performBussinessOperations(selection, sc);
                    break;
                }
                case CLOSE_APP: {
                    System.out.println("Closing your application... \r\n"
                            + "Thank you!");
                    System.exit(0);
                    break;
                }
                default:
                    System.out.println("kindly provide correct options");
                    break;
            }

        }
    }

    private static void getFilesInAcsendingOrder() {
        List<String> existingFiles =  BussinessOperations.getFilesInRepo();
        Collections.sort(existingFiles);
        System.out.println("Files in ascending order: " + existingFiles);
    }

    private static final int ADD = 1;
    private static final int DELETE = 2;
```

```
    private static final int SEARCH = 3;
    private static final int BACK = 4;

    public static void performBussinessOperations(int opr, Scanner sc) {

        switch (opr) {
            case ADD:
                creatNewFile(sc);
                break;

            case DELETE:
                deleteExistingFile(sc);
                break;

            case SEARCH:
                searchFile(sc);
                break;

            case BACK:
                MainOperations.performOperations(sc);
                break;

            default:
                System.out.println("kindly provide correct options");
                break;
        }

    }

    private static void searchFile(Scanner sc) {
        String fileName = UserInputs.getFileNameFromUser(sc);
        List<String> results = getFilesInRepo();
        String result = "File not found in repository!";
        for (String item : results) {
            if(item.equalsIgnoreCase(fileName)) {
                result ="file found in directory!";
                break;
            }
        }

        System.out.println(result);
    }

    public static List<String> getFilesInRepo() {
        List<String> results = new ArrayList<String>();
        String dir = "E:\\SIMPLILEARN\\daily notes\\Project\\";

        //If this pathname does not denote a directory, then listFiles() returns null.
        File[] files = new File(dir).listFiles();

        for (File file : files) {
            if (file.isFile()) {
                results.add(file.getName());
            }
        }
        return results;
    }

    private static void deleteExistingFile(Scanner sc) {
        String fileName = UserInputs.getFileNameFromUser(sc);

        Path file = Paths.get("E:\\SIMPLILEARN\\daily notes\\Project\\" + fileName +
".txt");
```

```
        try {
            if(Files.deleteIfExists(file)) {
                System.out.println("file deleted successfully ");
            }else {
                System.out.println("Unable to delete a file");

            }
        } catch (IOException e) {
            System.out.println(" Exception occurred...! Unable to delete a file ");
            e.printStackTrace();
        }
    }

    private static void creatNewFile(Scanner sc) {
        String fileName = UserInputs.getFileNameFromUser(sc);
        File file = new File("E:\\SIMPLILEARN\\daily notes\\Project\\" + fileName +
".txt");
        try {
            if (file.createNewFile()) {
                System.out.println("File created successfully\n");
            } else {
                System.out.println("Existing file\n");
            }
        } catch (IOException e) {
            System.out.println("Failed to create new file\n");
            e.printStackTrace();
        }

    }

    public static void main(String[] args) {

        Scanner sc = new Scanner(System.in);

        narendraproject.showWelcomeMessage();

        MainOperations.performOperations(sc);

    }
}
```