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package phase1;

import java.io.File;
import java.io.IOException;
import java.util.Arrays;
import java.util.Scanner;
import java.util.TreeSet;

public class LockedMe {
	static String directory;
	File folder_name;

	LockedMe() {
		directory = System.getProperty("user.dir");
		folder_name = new File(directory + "/myfiles");
	}

	String Welcomescreen = "" + "\t|\t\tLOCKEDME.C0M\t\t\t\t |\n"
				+ "\t|------------------------------------------------------|\n" + "\t|\t\tBy
Manasa Joshi\t\t\t\t |\n"
				+ "\t|\t\tEmp id: 10827\t\t\t\t |\n" + "\t|\t github.com/ManasaJoshi-
ops\t\t\t |\n"
				+ "\t|gitrep:https://github.com/ManasaJoshi-ops/LockedMe.com
|\n"
				+ "\t|------------------------------------------------------|\n";

	String FirstMenu = "\n1.List all files from the application\n" + "2.Business Level
Operations\n"
				+ "3.Exit from the application";
	String SecondMenu = "\n1.Add file to the application\n" + "2.Delete from an
application\n" + "3.Search for a file\n"
				+ "4.Go back to Main Menu";

	void mainMenu() {
		System.out.println(FirstMenu);
		try {
			Scanner sc = new Scanner(System.in);
			System.out.println("Select any option from above:");
			int option = sc.nextInt();
			switch (option) {
			case 1:
				listFiles();
				mainMenu();
				break;
			case 2:
				BusinessLevelOperations();
				break;
```

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                        case 3:
                                System.exit(0);
                        default:
                                mainMenu();
                        }
                } catch (Exception e) {
                        System.out.println("Invalid Input. Kindly choose from the above
menu");
                }

        }

        private void listFiles() {
                File fs = new File("myfiles");
                File file[] = fs.listFiles();
                TreeSet<String> ts = new TreeSet<String>();

                if (fs.length() != 0) {
                        for (File i : file) {
                                ts.add(i.getName());
                        }
                } else {
                        System.out.println("Directory is Empty..");
                }
                for (String i : ts) {
                        System.out.println(i);
                }

        }

        private void BusinessLevelOperations() {
                System.out.println(SecondMenu);
                try {
                        System.out.println("Select any option from above:");
                        Scanner scan = new Scanner(System.in);
                        int choice = scan.nextInt();
                        switch (choice) {
                        case 1:
                                createFile();
                                BusinessLevelOperations();
                                break;
                        case 2:
                                deleteFile();
                                BusinessLevelOperations();
                                break;
                        case 3:
                                searchFile();
```

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                    BusinessLevelOperations();
                    break;
                case 4:
                    mainMenu();
                default:
                    System.exit(0);
                }
        } catch (Exception e) {
                System.out.println("Kindly select from the above menu");
        }
}

private void createFile() {
        System.out.println("Enter the name of the file :");
        Scanner sc = new Scanner(System.in);
        String file_name = sc.next();
        File file = new File("myfiles", file_name);
        try {
                if (file.createNewFile()) {
                    System.out.println("File created successfully");
                } else {
                    System.out.println("File already exists");
                }
        } catch (IOException e) {
                System.out.println(“Exception occurred”+e.getMessage());
        }

}

private void deleteFile() {
        System.out.println("Enter the name of the file to be deleted..");
        Scanner sc = new Scanner(System.in);
        String file_name = sc.next();
        File file = new File(folder_name, file_name);
        String[] str = folder_name.list();
        for (String s1 : str) {
                if (file_name.equals(s1) && file.delete()) {
                    System.out.println("File deleted..");
                    return;
                }
        }
        System.out.println("File not found FNF");

}

private void searchFile() {
        Scanner sc = new Scanner(System.in);
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                System.out.println("Enter the name of the file to be searched..");
                String file_name = sc.next();
                String[] list = folder_name.list();
                for (String s1 : list) {
                        if (file_name.equals(s1)) {
                                System.out.println("File " + file_name + " exists\n\n");
                                return;
                        }
                }
                System.out.println("File " + file_name + " doesn't exists");
        }

        public static void main(String[] args) {
                LockedMe obj = new LockedMe();
                System.out.println(obj.Welcomescreen);
                obj.mainMenu();

        }
}
```