

```
package com.phase1;

import java.io.File;
import java.io.IOException;

public class FileHandler {
    public static void addFile(String fileName) {
        try {
            File newFile = new File(fileName);
            if(newFile.createNewFile()) {
                System.out.println("New File Created");
            } else{
                System.out.println("File already exists");
            }
        } catch (IOException e) {
            e.printStackTrace();
        }
        Main.menuChoice();
    }

    public static void deleteFile(String toDelete) {
        File newFile = new File(toDelete);
        if(newFile.delete()) {
            System.out.println("File Deleted");
        } else{
            System.out.println("File not Found");
        }
        Main.menuChoice();
    }

    public static void searchFile(String toSearch) {
        File directoryFiles = new File(System.getProperty("user.dir"));
        File[] allFiles = directoryFiles.listFiles();
        File toFind = new File(toSearch);

        for(File f: allFiles) {
            if(f.equals(toFind)) {
                System.out.println("Found");
            } else{
                System.out.println("Not Found");
            }
        }
        Main.menuChoice();
    }
}
```

```

package com.phase1;

import java.io.File;
import java.util.Arrays;
import java.util.List;
import java.util.Scanner;

public class FileManager {
    public static void showAllFiles() {
        File directoryFiles = new File(System.getProperty("user.dir"));
        File[] allFiles = directoryFiles.listFiles();
        List<File> sortedFile = Arrays.stream(allFiles)
            .sorted().toList();

        for(File f: sortedFile) {
            System.out.println(f);
        }
    }

    public static void detailedView() {
        Scanner input = new Scanner(System.in);
        List<Integer> validOptions = Arrays.asList(1, 2, 3, 4);
        int option;
        do {
            System.out.println("""
                Please Choose from one of the following options
                1: Add File
                2: Delete File
                3: Search File
                4: Main Menu""");
            option = Integer.parseInt(input.nextLine());
        } while (!validOptions.contains(option));

        switch (option) {
            case 1:
                System.out.println("Enter name of new file with extension");
                String fileName = input.nextLine();
                FileHandler.addFile(fileName);
                break;
            case 2:
                System.out.println("Enter name of file to delete with extension");
                String toDelete = input.nextLine();
                FileHandler.deleteFile(toDelete);
                break;
            case 3:
                System.out.println("Enter name of file with extension");
                String toSearch = input.nextLine();
                FileHandler.searchFile(toSearch);
            case 4:
                Main.menuChoice();
        }
    }
}

```

```
package com.phase1;

import java.util.Arrays;
import java.util.List;
import java.util.Scanner;

public class Main {

    public static void main(String[] args) {
        menuChoice();
    }

    static void menuChoice() {
        Scanner input = new Scanner(System.in);
        List<String> validOptions = Arrays.asList("A", "B", "C");
        String option;
        do {
            System.out.println("""
                Please Choose from one of the following options
                A: List all Files
                B: Detailed Options
                C: Close Application""");
            option = input.nextLine().toUpperCase();
        } while (!validOptions.contains(option));

        switch (option) {
            case "A" -> FileManager.showAllFiles();
            case "B" -> FileManager.detailedView();
            case "C" -> System.exit(0);
        }
    }
}
```