LOCKEDME.COM

SPECIFICATION DOCUMENT

Author	Date	Version
Aanjaneya Khale	15-08-2021	1.0

Contents

Problem Statement

Client: - Lockers Pvt. Ltd

To develop website for client containing following feature.

- Retrieving the file names in an ascending order from Specified Folder
- Business-Level Operation
  1. Option to add a user specified file to the application.
  2. Option to delete a user specified file from the application.
  3. Option to search a user specified file from the application
  4. Navigation option to close the current execution context and return to the main context
- Option to close the application

Sprint Planning

As Per, Problem Statement Developer need to develop below 4 functionalities.

- Read The Files in folder
- Add the Files in folder
- Delete the file from folder
- Search file from folder

Below are two sprint designed to develop the required functionality.
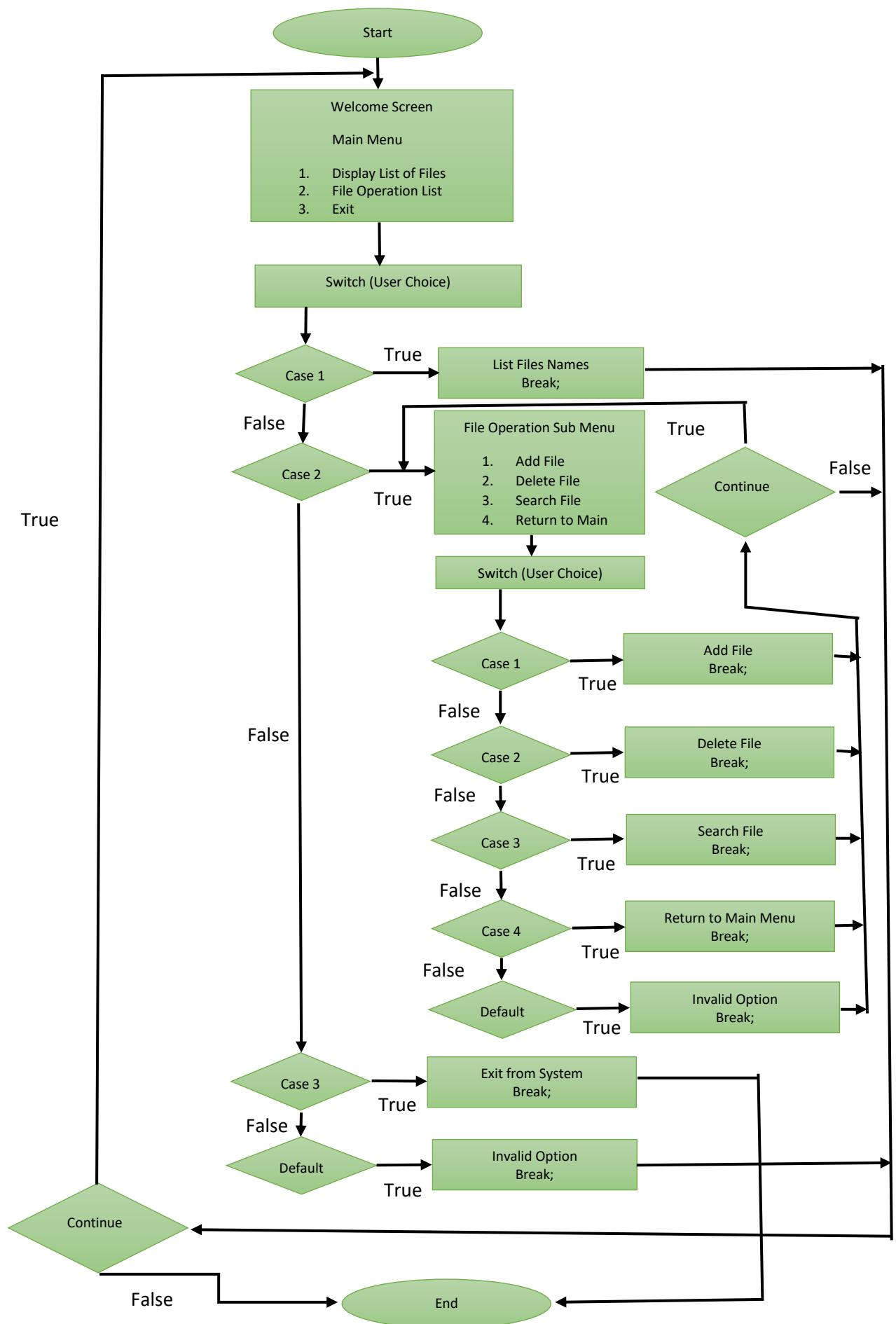
No	Sprint No	Stories	Duration (Hrs.)	Developer	Date
1	Sprint 1	List Files in Folder	2	Aanjaneya Khale	13-08-2021
2		Add File in Folder	3	Aanjaneya Khale	13-08-2021
Total Time For Sprint 1			5		
3	Sprint 2	Delete Files in Folder	2	Aanjaneya Khale	15-08-2021
4		Search File in Folder	2	Aanjaneya Khale	15-08-2021
Total Time For Sprint 2			4		
Total Time For Sprints			9		

Total 9 hours assigned to complete the project functionality in two sprints.

Sprint 1 completed on 13th Aug 2021 in 5 hours.

Sprint 2 completed on 15th Aug 2021 in 4 Hours.

Algorithm & Flowchart

```
                          ┌─────────────┐
                          │    Start    │
                          └─────────────┘
                                 │
                    ┌────────────────────────┐
                    │   Welcome Screen        │
                    │                         │
                    │   Main Menu             │
                    │                         │
                    │   1.  Display List of Files
                    │   2.  File Operation List
                    │   3.  Exit              │
                    └────────────────────────┘
                                 │
                    ┌────────────────────────┐
                    │  Switch (User Choice)   │
                    └────────────────────────┘
```

Start

Welcome Screen

Main Menu

1. Display List of Files
2. File Operation List
3. Exit

Switch (User Choice)

Case 1 — True → **List Files Names / Break;**

False

Case 2 — True → **File Operation Sub Menu**
1. Add File
2. Delete File
3. Search File
4. Return to Main

Switch (User Choice)

Case 1 — True → **Add File / Break;**

False

Case 2 — True → **Delete File / Break;**

False

Case 3 — True → **Search File / Break;**

False

Case 4 — True → **Return to Main Menu / Break;**

False

Default — True → **Invalid Option / Break;**

Continue — True / False

Case 3 — True → **Exit from System / Break;**

False

Default — True → **Invalid Option / Break;**

Continue

True / False

End

Core Concepts Used

1. Object Oriented Programming Concepts
2. Class & Objects Concepts
3. Methods & Variables
4. Loops
   - Do- While
   - For Loop
   - For each
5. Conditional Statement : If else
6. Collections
7. Data Structures

GIT Hub Link

https://github.com/tbinnar/Phase_1_Project

Conclusion

Project completed successfully using below Java Concepts

1. Object Oriented Programming Concepts
2. Class & Objects Concepts
3. Methods & Variables
4. Loops
   - Do- While
   - For Loop
   - For each
5. Conditional Statement : If else
6. Collections
7. Data Structures

Enhancements

1. Instead of Console input we can provide the User Interface to client
2. We can give option to user delete specific file in list
3. We can display content of file if required.

USP

1. It will be Lowest Cost Application
2. User Friendly application