

Phase 1:Course-end project 1 Developed by :Manasa Joshi
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Abstract Document and WriteUp

Project Objective:

To Complete the features of the application by planning the development in terms of sprints and then push the source code to the GitHub repository. The user interaction will be via command line.

Project Overview:

This project is designed to perform operations on file names from the directory present in the application. This project will perform operations like listing files in ascending order, adding a file to the directory, deleting a file from the directory or Searching a file if exists in the directory or not. We will build the command line project with basic UI, which will display the main menu, which has operations such as listing files, Secondary operations, exit option. The secondary menu has operations such as add file to the directory, delete file from the directory, searching for a file in the directory.

Sprint Planning:

I have divided the project in four sprints for proper maintenance of the project Sprint 1: In the first sprint, I have planned about the requirements and analyzed the java concepts required to create this project.

Sprint 2: In the Second sprint, I have initialized the initial template of the application like Welcome Screen, Main menu, Secondary Menu.

Sprint 3: In the Third sprint, I have written the code for the main menu options like list the files in ascending order, function for secondary menu and exit option.

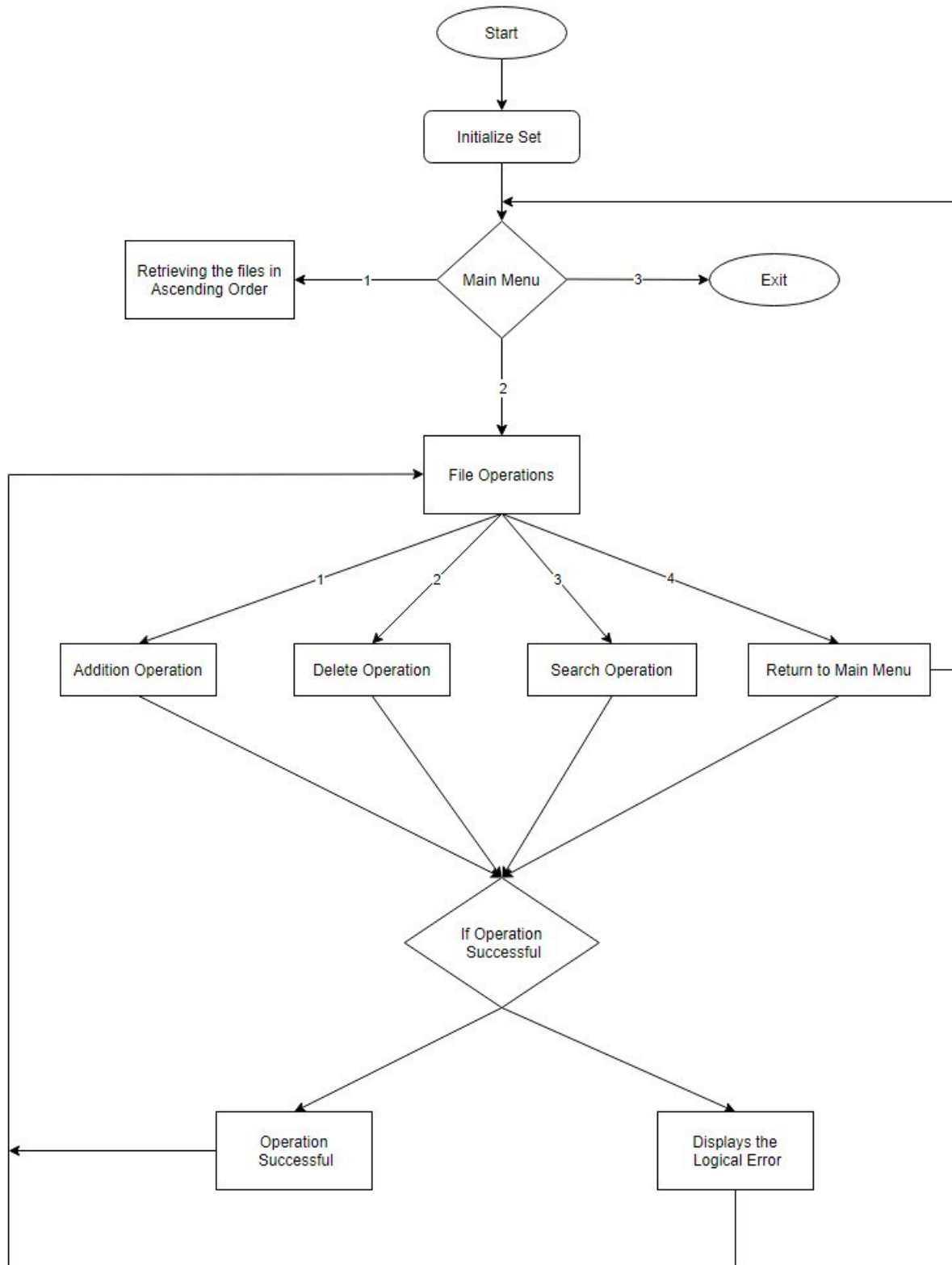
Sprint 4: In the fourth sprint, I have written the code for the secondary options like adding a file to the directory, deleting a file from the directory, Searching for a file in the directory, and a function to go back to the main menu.

Java Concepts used:

- Class, Objects, methods, variables, datatypes
- Exceptional Handling
- File handling
- Arrays and its methods
- Collections(TreeSet)
- Scanner class and methods
- Looping Statements
- Conditional Statements

GitHub link: <https://github.com/ManasaJoshi-ops/LockedMe.com>

FlowChart :



Algorithm:

Step1 : Create a Template for menus

Step 2: Write a switch case for selection of the options

Step 3: Write functions for the options given

Step4:If the user selects option 1, then list all the files from the directory

Step 5: If the user selects option 2, then secondary menu is printed

 Step1: If the user selects option 1, then add the file to the directory

 Step 2: If the user selects option 2, then delete the file from the directory

 Step 3: If the user selects option 3, then search for the asked file

 Step 4: if the user selects option 4, then go back to main menu

Step 6: If the user selects option 3, then exit from the application

Conclusion : This project runs on Command line UI, so we can add proper Frontend and also perform file operations like writing in the file viewing the file etc.