

LockedMe

Virtual Key for your repositories

Documentation

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1. Sprint planning

The project is planned to be completed in three sprints and detail of every sprint functionalities is explained below:

Sprint-1

- Understanding the problem definition and project.
- Creating the flow of the project based on the requirements listed.

Sprint-2

- Creating the GitHub repository for the project and cloning the GitHub repo to local repo.
- Establishing the project structure in which order code need to be written.
- Writing the Java code for file operations with use of core concepts of Java.

Sprint-3

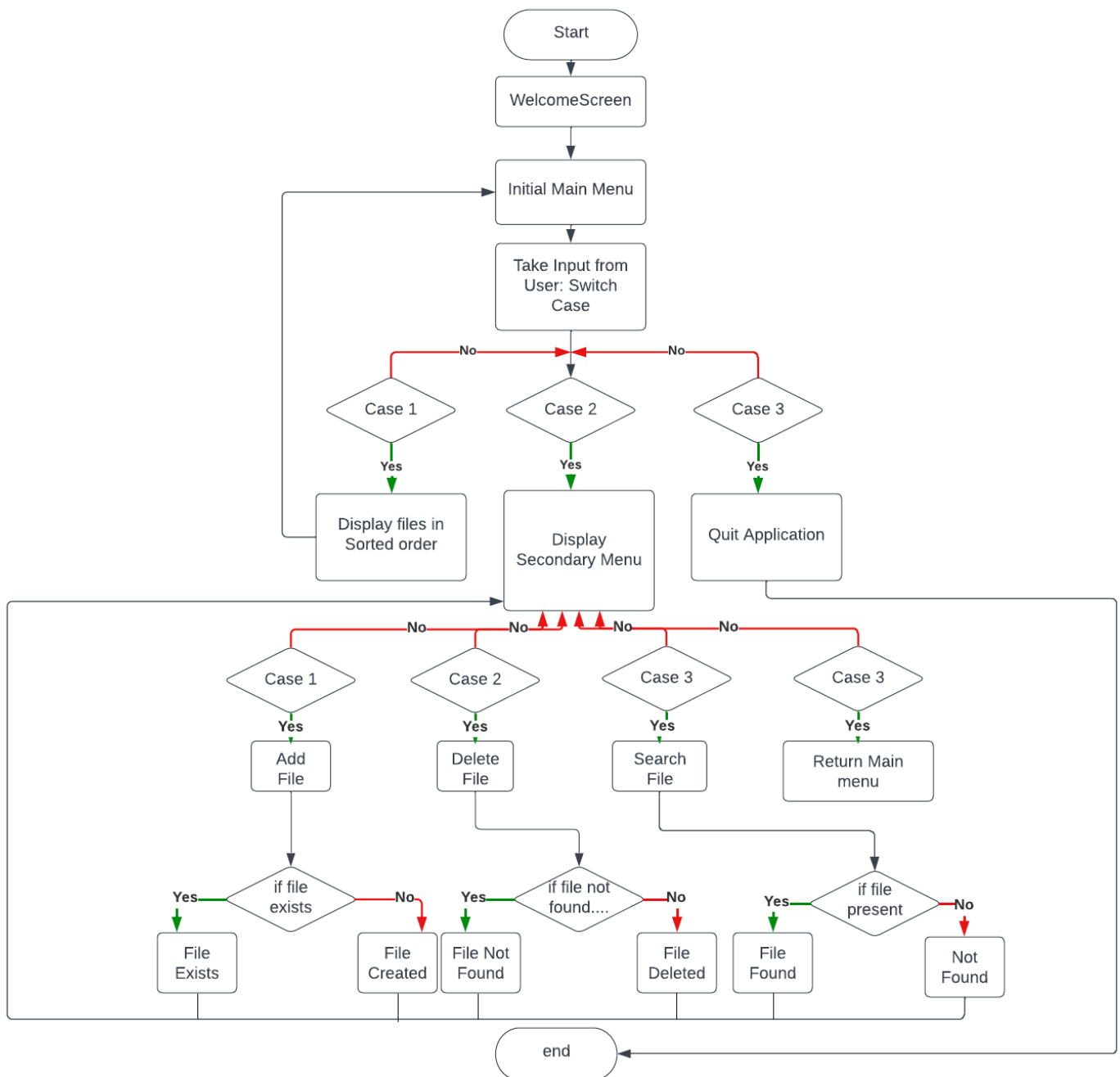
- Creating the directory with set of files in it to test the code.
- Testing the code and all the features with different inputs.
- Pushing the code to GitHub Repository
- Writing the Specification document with code and outcomes.

2. Core concepts

The Core concepts used for developing this project are

- Java Programming
- Collections framework
- File Handling
- Exception Handling
- Sorting
- Flow control

3. Flow of Application



4. Demonstrating product capabilities, appearance and user interactions

To demonstrate the product capabilities, below are the sub-sections configured to highlight appearance and user interactions for the project:

Step 1. Creating the project in eclipse

Step 2. Writing program for entry point of application ***VirtualKeyApplication.java***

Step 3. Writing program to create interface to declare functions that are common for ***WelcomeScreen.java*** and ***FileOptionsScreen.java***

Step 4. Writing program for Welcome Screen and Main Menu Options
WelcomeScreen.java

Step 5. Writing program for File Operations and its Menu ***FileOptionsScreen.java***

Step 6. Writing program for setting Path and accessing files for operations
Directory.java

Step 7. Writing program for handling Screens ***ScreenService.java***

Step 8. Pushing code to Git Repository.

5. Unique selling points

- The application is designed to keep on running and taking user inputs even after exceptions occur. To terminate the application, appropriate option needs to be selected.
- The application is given with set of options from Main-Menu to select option and they are:
 - I. Show files in ascending order
 - II. File Operations
 - III. Quit
- The second option in-turn shows four more options such as
 - I. Add file
 - II. Delete File
 - III. Search file
 - IV. Return to Main-Menu
- Quit Option exits the application saying “Thank you for using LockeMe.com”

6. Conclusion

Further enhancements to the application can be made which may include:

- Conditions to check if user is allowed to delete the file or add the file at the specific locations.
 - Asking user to verify if they really want to delete the selected file if it's not empty.
 - Retrieving files/folders by different criteria like Last Modified, Type, etc.
- Allowing user to append data to the file.

7. Source code link

GitHub:

<https://github.com/ramkrishnareddy24/VirtualKey.git>