PROJECT------ LOCKEDME.COM

Company Lockers Pvt. Ltd. hired me as a Full Stack Developer. They aim to digitize their products and chose LockedMe.com as their first project to start with.

This Application mainly Consists of ,

- Code to display the welcome screen.

  It should display:

  - Application name and the developer details
- Three main operations:

  1. Retrieving the file names in an ascending order
  2. Business-level operations:
     - Option to add a user specified file to the application
     - Option to delete a user specified file from the application
     - Option to search a user specified file from the application

       Return a message if FNF (File not found)

       Display the result upon successful operation

       Display the result upon unsuccessful operation
     - Navigation option to close the current execution context and return to the main context
     - Option to close the application
  3. Exit Application

In this Documentation we define,

- Setting up Git and GitHub account to store and track enhancements of the prototype
- Java concepts being used in the project
- Number and duration of sprints required
- Documenting the steps and writing algorithm
- Flowchart of the Application
- Defining the USPs (Unique Selling Points) and Conclusion on enhancing the application

Setting up Git and GitHub account and pushing the code to store and track enhancements of the prototype

The code for this project is hosted at https://github.com/KotthaNiharika/Lockers-Pvt.-Ltd

This project is developed by Kottha Niharika

Pushing the code to GitHub repository

Open your command prompt of Git bash and navigate to the folder where you have created your files.

cd <folder path>

Initialize repository using the following command:

git init

Add all the files to your git repository using the following command:

git add .

Commit the changes using the following command:

git commit . -m <commit message>

Push the files to the folder you initially created using the following command:

git push -u origin master

Java concepts being used in the project

Core Concepts using in this Application are,

Collections framework, File Handling, Searching and Sorting Techniques, Flow Control, Recursion, Exception Handling, Streams API

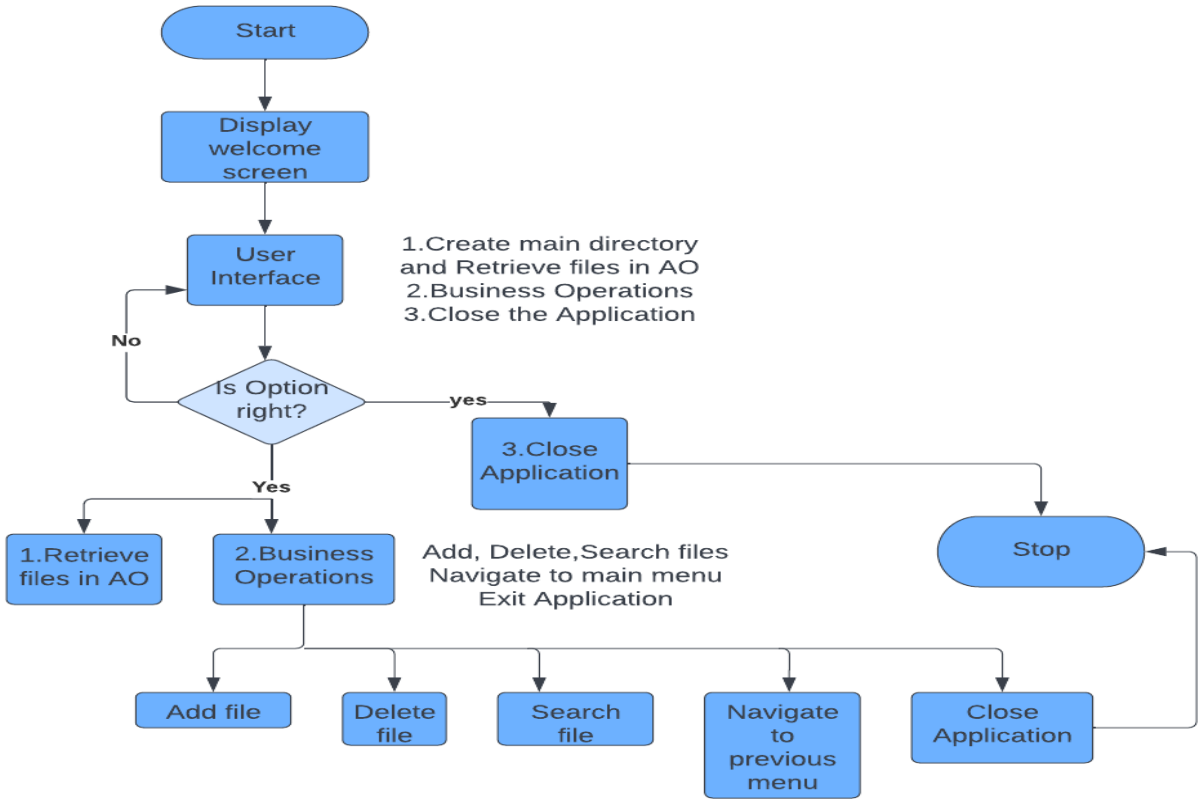
Number of sprints required

We are planning more than two sprints to complete the application as per the requirement. So, the project is planned to be completed in 3 sprints.

Documenting the steps and writing algorithm

1. Start the Application
2. Print Welcome Screen, display App name and App developer details
3. Print Operations performed in this Application, which consists of three functions
4. Create main folder in project directory if not present.
5. Retrieves the files of main folder in Ascending Order
6. Performs the Business level Operations, such as Addition, Deletion and Searching and also has the option to navigate back to main menu
7. After completing all operations , we can close the Application
8. Stop the flow of the Application

Flowchart of the Application



Defining the USPs (Unique Selling Points) and Conclusion on enhancing the application

Unique Selling Points:

1. 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.
2. The Application allows the user to create the main folder in the directory if it is not present, if folder is empty it shows as Empty directory. Where we can add files in it.
3. The application can take any file name as input.
4. The application allows the user to retrieve the files in Ascending Order and also to Add the file , delete the file and Search the file.
5. The user is able to seamlessly switch between options or return to previous menu even after any required operation like adding, searching, deleting or retrieving of files is performed.
6. After completing all the operations user can stop the flow by closing the application.

Conclusions:

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

*Allowing user to append data to the existing file.

*Allowing the user to modify the existing data in the file.

*Allowing the user to delete added data in the file

*Retrieving files/folders by different criteria like Last Modified, Last created, Type, etc

*Conditions to check if user is allowed to delete the file or add the file at the specific locations.

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