**LockedMe Project**

**DESCRIPTION**

**Project objective:**

As a Full Stack Developer, complete the features of the application by planning the development in terms of sprints and then push the source code to the GitHub repository. As this is a prototyped application, the user interaction will be via a command line.

**Background of the problem statement:**

Company Lockers Pvt. Ltd. hired you as a Full Stack Developer. They aim to digitize their products and chose LockedMe.com as their first project to start with. You’re asked to develop a prototype of the application. The prototype of the application will be then presented to the relevant stakeholders for the budget approval. Your manager has set up a meeting where you’re asked to present the following in the next 15 working days (3 weeks):

* Specification document - Product’s capabilities, appearance, and user interactions
* Number and duration of sprints required
* Setting up Git and GitHub account to store and track your enhancements of the prototype
* Java concepts being used in the project
* Data Structures where sorting and searching techniques are used.
* Generic features and three operations:
  + Retrieving the file names in an ascending order
  + 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
    - Navigation option to close the current execution context and return to the main context
  + Option to close the application

**“The goal of the company is to deliver a high-end quality product as early as possible**”

**The Core Java Concepts used:**

* Variables
* Data Types
* Operators
* Condition Statements (if else)
* Switch case
* Methods
* Class
* Access Modifiers
* Exceptions
* File handling

**Synopsis of the project:**

1. The main purpose of LockedMe project is to perform some file operations such as,

* Retrieving the files in ascending order
* Addition of the files
* Deletion of the files
* Searching of the files

1. Upon execution of the program the below output contains the main menu where multiple options are present to perform various file operations such as,

* Option 1 – Used to retrieve the files in the ascending order
* Option 2 - Used to perform various files operations such as addition, deletion and searching of the files.
* Option 3 – Used to close the application

GitHub repository link: https://github.com/CPrajwal/LockedMe-Project.git