**Locked Me – Virtual Key for Repositories**

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The code for this project is hosted at <https://github.com/amsdhs36/NewPro.git>

The project is developed by Amruta Singh.

**Project Details**

**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.

## Project planning and Task completion

* Initializing git repository to track changes as development progresses.

The project is planned to be completed in 2 sprints. Tasks assumed to be completed in the sprint are:

|  |  |  |
| --- | --- | --- |
| Sprint | User Story | Tasks |
| 1 | As a user, I need to see the application welcome screen with Menu options. Menu First Option: User should able to display the files in ascending order from the directory. The root directory can be either empty or contain few files or folders in it | Create the Welcome screen |
| Create Check if directory exist or create new |
| If exist and choice enter by user to display the files in ascending order |
| 2 | Second option: Another menu inside Second option with choices -User should be able to 1.add, 2. delete files, 3. search file from the directory.  4.User should be able to get back to previous menu  Third Option: Exit the menu | Add methods to add the file in the directory, delete method to delete file |
| Search the user specified file from directory and give error message if not found |
| Go back to previous menu or exit the menu |