**LockedMe.com**

**Virtual Key for Repositories**

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This code for this project is hosted at [kothapallyjyothi/LockedMe.com (github.com)](https://github.com/kothapallyjyothi/LockedMe.com).

# Sprint Planning and Task Completion

The Project is planned to be completed in 3 sprints. Tasks assumed to be completed in the sprint are:

* Creating the flow of the application.
* Initializing the git repository to track changes as development progress.
* Writing the Java program to ensure that requirements of the project.
* Testing the Java program with different kinds of user input values.
* Pushing the code to GitHub.
* Creating this specification document highlighting application capabilities, appearance and user interactions.

# Core concepts used in project

* Collections framework
* Exception handling
* File Handling
* Flow control
* Recursion
* Sorting

1. Demonstration the 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.

1.Creating the project in Eclipse.

2.Writing a java program for the entry point of the application (LockedMeMain,java )

Step-1

1. Open Eclipse
2. Go to File - >New ->Project->Java Project ->Next.
3. Type in any Project name with uppercase(First Letter) and click on Finish.
4. Select your project and go to File ->New -> Class.
5. Enter LockedMeMain in any class name ,check the checkbox “public static void main(String[] args)”,and click on Finish.
6. Pushing the code to GitHub repository

Instructions are to be followed:

* First of all, we need account in Github to push the code in GitHub.
* Create account in GitHub.
* Create new repository.
* Open your command prompt and navigate to the folder where you have created your files.

cd

* Initialize repository using the following command:

git init

* Add all the files to your git repository using the following the 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 main

# 5. Unique selling points of the application

1. The application is designed to keep on running and taking the user inputs even after exceptions occur though. To terminate the application option needs to be selected.
2. The application can take any file/folder name as input. Even if the user wants to create nested folder structure, user can specify the relative path, and the application takes care of creating the required folder structure.
3. User is also provided the option to write content if they want into the newly created file.
4. The application doesn’t restrict user to specify the exact filename to search /delete file/folder. They can specify the string input, and the program searches all files/folder names strating with the value and display it. User is then provided the option to select all files or to select all files or to select a specific index to delete.
5. The application also allows user to delete folders which are not empty.
6. The user is able to switch between menu /options or return to previous menu even after any required operation like creating, searching, deleting or retrieving of files is to be performed.
7. When the option to retrieve files in ascending order is selected, user is displayed with two options of viewing the files.
8. The application is designed with modularity in mind. Even if one wants to update the path, they can change it through the source code. Application has been developed keeping in mind that there should be very less hardcoding of data.
9. **Conclusions**

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 directory if it’s not empty.
* Retrieving files/folders by different criteria like last modified, Type, etc...,
* Allowing the user to append data to the file.