# Project Detail

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. I am tasked to develop a prototype of the application. The prototype of the application will be then presented to the relevant stakeholders for the budget approval.

Application must have the following three key operations:

1. Retrieve file names in ascending order
2. Business-level operations:
   1. Option to add a user specified file to the application
   2. Option to delete a user specified file from the application
   3. Option to search a user specified file from the application
   4. Navigation option to close current execution context and return to main context
3. Option to close the application

# Developer Detail

Name: Koh Chan Wen

Email: [chanwen1@hotmail.com](mailto:chanwen1@hotmail.com)

Experience: 2 Years Frontend development

Country: Singapore

# Sprint Planning

Total number of Sprints: 2

Sprint 1 – 25 June 2022 to 02 July 2022

Sprint 2 – 03 July 2022 to 10 July 2022

Total number of user Stories: 5

Total number of task: 9

|  |  |  |  |
| --- | --- | --- | --- |
| Sprint | User Story | Tasks | Story point |
| 1 | I want to create main menu for this console application | - Display the 3 key options in a loop  - Display introduction lines with app name and developer details | 3 |
| 1 | I want to create the option to close the application | Create the function to close the application | 1 |
| 2 | I want to retrieve all files in main directory | - Retrieve files and folders in a specific directory and list them in ascending order | 3 |
| 2 | I want to implement the business-level file operations | - Add a file  - Delete a file  - Search for a file  - Navigation option to main context | 8 |
| 2 | I want to create documentation for this application | - Create functional specification for this application | 5 |

# Flowchart of application

Application Start

Option 3 – Close application

Option 2 – Other File operations

Option 1 – Retrieve All Files

Option 2.4 – Navigation back to main

Option 2.3 – Search for file

Option 2.2 – Delete File

Option 2.1 – Add new File

# Core concepts used in project

* Exception handling
* File class and their various methods
* While loop
* Scanner class to get console input
* Arrays

# Github Link

https://github.com/kohchanwen/Simplilearn\_OPPS\_Project

# Conclusion

LockedMe is a simple console application that allows user to perform file operation on their current system directory. In the future, we can enhance it with file type checking and also implement file stream to add content to the files.