Specification document for **LockedMe.com** application

This is a File Management prototype application with listing, adding, deleting and searching functionalities on behalf of Lockers Pvt. LTD.

Developer: Laios Giannis – [laiosgiannis@gmail.com](mailto:laiosgiannis@gmail.com) // ioannis.laios@vodafone.com

The project will be separated in 3 weekly sprints:

1. Setting up the plan of what OOPs concepts are going to be used for the application and write the code structure.
2. Write the code in different parts and packages and push it to GitHub
3. Test the code to ensure that it works as expected and brainstorm future changes and enhancement.

OOPs concepts used

**Classes, methods and objects** were created in order to deal with the user interaction with the program and also provide its functionalities. FileManagement class along with the methods MainMenu, SubMenu, and predefined File class help to have a functional application. Finally, scanner object helps us with the user interaction and File objects to manage the files.

**Abstraction** used to create a better understandable structure of code separated in different packages and method usage in the main code where needed.

**Encapsulation** within the methods to hide the menu functionality and file management.

**Exception Handling** with try-catch to deal with mistaken error inputs and maintain the continuation of the application while moving to the main menu and the submenu.

**Array** is used to list the files and be the base for searching and sorting functions.

**Git Details**

GitHub link: <https://github.com/glaios/LockedMe.com.git>

**Project details**

The project named LockedMe.com is separated in 3 packages.

* + - 1. locked.me.com.app - contains the FileManagementApp class and the main method. There is the code with do/while and switch choices for the main menu. Also calls the MainMenu and SubMenu methods but the sorting code is also in main method

1. locked.me.com.mainmenu - contains the MainMenu class and method where there is the main menu options without any functionality
2. locked.me.com.submenu - contains the SubMenu class and method with all the file management functionalities like Adding, Deleting and Searching a file.