**Purpose:**

* This is a prototype of the project LockedMe.com developed by **Harshita Kandula** as part of the product digitalization initiative of the company Lockers Pvt Ltd

**Features:**

* Display the following when the application opens:
  + Application name and the developer details
  + The details of the user interface
  + Options displaying the user interaction information
  + Features to accept the user input to select one of the options listed
* The first option should return the current file names in ascending order. Here root directory can be either empty or may contain few files or folders in it
* The second option should return the details of the user interface such as options displaying the following:
* Add a file to the existing directory list (Ignoring case sensitivity)
* Delete a user-specified file from the existing directory list (Case sensitivity included to ensure the accuracy of the file being deleted)
  + - Return a message if FNF (File not found)
* Search a user-specified file from the existing directory list (Ignore case sensitivity)
  + - Return a message if FNF (File not found)
* Navigation option to close the current context and return to the main context
* The Third option should be for closing the application

**Github Link :**

<https://github.com/Kandula-Harshita/LockedMe.com>

**Algorithms Used**

* Used java Collections to collect the file names
* Use Collections.sort to sort the file names
* Java.io.File to manage file operations.
* Used Exception handlers to catch the exceptions and supress them along with printing an error message.
* Usage of switch cases to handle user inputs
* Usage of static methods.

**Stories Planned :**

**Sprint 1:**

* Display Main Menu Options

Acceptance Criteria :

* + System should display the developer and project name
  + Should show 3 options : sort,file operations and exit
  + System should not exceed as long as the user doesn’t input the exit option
* Display File Operations

Acceptance Criteria:

* System on selection of file Operations from main menu should show up multiple options
* Should show options to add ,delete ,search and return back to main menu options
  + System should not exceed as long as the user doesn’t input the exit option

**Sprint 1 Goal :** System should show the options as directed by user and should not exit unless the user inputs so.User should be able to navigate through the options seamlessly

**Sprint 2**

1. Add/Delete file

Acceptance Criteria

* + System to add/Delete files based on the user input
  + Show up an error message(but not exit the system)when user tries to create a file which already exists
  + Show up an error message(but not exit the system)when user tries to delete a file which doesn’t exist

1. Search File

Acceptance Criteria:

* System should be able to search a file (case sensitive) in the directory and show up the file if present
* System should show a message in case the file is not found

1. Sort Files and display

Acceptance Criteria:

* System to pull up all the files in the directory and show them in the sorted manner.

Sprint Goal : System to be able to add,delete ,search and display the files in a sorted manner with a good user experience where in system handles errors gracefully.

**User Selling Point :**

Main User selling point for this application is the ability to navigate seamlessly and add/delete/search/display files based on user input.

Enhancements Proposed: Along with letting the user create files,enhancing it to add data to the files or update them will add lot of value to the product.

**Flow Chart:**

