**Specification Document**

* **Project and developer details**
  + **Company name**: Lockers Pvt. Ltd.
  + **Project name** : LockedMe.com
  + **Developer name**: Ali Samiei
  + **Email Address**:alisamiei80@gmail.com
* **Sprints planned and the tasks achieved in them**
  + **Sprint 1**: Software Architecture and flowchart
  + **Sprint 2** :Creating classes and methods required for different tasks based on definitions in architecture and flowchart
  + **Sprint 3**: developing main method and other methods
* **Algorithms and flowcharts of the application**
  + Flowchart is attached , it could also be find in GitHub repository
  + Algoritms used:
    - Collections.sort
    - Linear search for searching files in directory
    - Class DirectoryStream for streaming directory content
    - ArrayList for holding list of files.
* **Core concepts used in the project**
  + Main concept was to provide an application with maximum modularity.
  + Defining repeatitive tasks as a method provide us with more flexiblity and makes the main method as simple as we want and easy-to-read.
  + Although all exceptions has tried to be catched but I’ve tried to check them before happening to avoid interruoting program.
* **Links to the GitHub repository to verify the project completion**
  + <https://github.com/MyGithubAccount2020/Simplilearn-Assessment1>
* **Your conclusion on enhancing the application and defining the USPs (Unique Selling Points)**
  + **User input mechanism :** Most and first important issue with the application at the moment is the while loop in the main method just for handling user interface and moving between different menues . This can cause cpu time consuming and reducing performance. I should work on it. I suppose that using multithreading could be a better solution like running user input as a Runnable.
  + **Using Scanner in methods**: The second issue that could be enhanced is using Scanner and closing them in methods that throws exception . I temporarily disactivated it but it must be improved.