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| Project Name | LockedMe.com |
| Purpose | Implementation of Business level operations |

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**Product Specification**

1. **Overview:** This product specification describes all the necessary requirements of the lockedme.com product developed as well as the specific performance acceptability of each requirement. It is a specific type of goal statement that clearly and specifically lists the various operations that can be performed by the client
2. **Purpose:**

The purpose of creating this product is the end users to are allowed to access a directory in which they can perform the various operations like sorting, adding new files into the existing directory, deleting already existing files in the directory and to search for a file inside the directory.

1. **List of Specifications:**
   * Product s capabilities
   * Appearance
   * User Interactions

**3.1** **Product ‘s Capabilities:**

The product has operations of creating files, sorting, deleting and searching using various Java concepts the product is developed

Use of anonyms inner class: It is an inner class without a name and for which only a single object is created. An anonymous inner class can be useful when making an instance of an object

For-each Loop (Enhanced For loop): It provides an alternative approach to traverse the array or collection in Java. It is mainly used to traverse the array or collection elements.

Java I/O methods: is used to process the input and produce the outputs.

File Operations: The various operations like opening a file, deleting a file, searching for a file are all performed by the file operations

**3.2** **Appearance:**

The product appearance is very effective and easy to use and understand by the end user as the methods are called and declared in a very simple manner for easy client interaction.

**3.3** **User Interactions**

The user interactions are through the console terminal where the user chooses the required option and performs the operation

Data Structures

The concepts used are array and it has operations like sorting in ascending order, the sort () function provides the sorted array in ascending order

The case specifications are handled are each file for providing appropriate searches. The exists function is used for getting the files as per the specified name.