**Software Requirements Specification**

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| **Abstract:** |  |  |
| **Keywords:** |  |  |
| **Approved:** | **Neil John** |  |
|  |  |  |
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**Revision History**

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| --- | --- | --- | --- |
| **Version** | **Date** | **Author** | **Change Description** |
| 1.0 | 21st June | Shweta Khatri | Created the project |
|  |  |  |  |

**File Management Application**

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1. **INTRODUCTION**

Company Lockers Pvt. Ltd. aims to digitize our products. We need a robust File Management system for our users to help minimize the manual tasks

* 1. Purpose

The purpose of this document is to build an online system to help users to minimize the daily manual tasks and help them perform the routine tasks with minimum effort and time

* 1. Intended Audience

This project is a prototype for the flight management system and it is restricted to users apart from below mentioned users:

|  |  |
| --- | --- |
| Developer | Shweta Khatri |
| Project Manager | Nilesh Magar |
| Business Partners | Neil John |
|  |  |

* 1. Intended Use

1. User should be able to list and print the available files in the system’s directory
2. User should be able to add a new file.
3. User should be able to delete and existing file.
4. User should be able to search for the specified file.
5. System should display the valid errors

1. **Overall Description**

2.1 Project Features

2.2 CHARACTERISTICS

Users of the system should be able to:

1. List the current file names in ascending order. The root directory can be either empty or contain few files or folders in it
2. Add a file to the existing directory
3. Delete the user specified file from the directory
4. Search the user specified file from the directory
5. Exit the application

2.3 Operating Environment

The operating environment for the File management system is as listed below.

1. Operating system: Windows.
2. directory: project directory
3. platform: Java

2.4 Core concepts and Algorithms

1. Encapsulation
2. Data Structures
3. Linear search
4. Linked List
5. **System Features and Requirements**
   1. Description and Priority

The File Management System maintains the files in the system, adds, deletes, search and list them according to the user requirements.This project has a high priority because it is a need to save the files in a system in order to create the proper backup.

* 1. Stimulus/Respose Sequences
     + 1. An option to return the current file names in ascending order. The root directory can be either empty or contain few files or folders in it
       2. The second option to return the details of the user interface such as options displaying the following:
       3. Add a file to the existing directory list
       4. You can ignore the case sensitivity of the file names
       5. Delete a user specified file from the existing directory list
       6. You can add the case sensitivity on the file name in order to ensure that the right file is deleted from the directory list
       7. Return a message if FNF (File not found)
       8. Search a user specified file from the main directory
       9. You can add the case sensitivity on the file name to retrieve the correct file
       10. Display the result upon successful operation
       11. Display the result upon unsuccessful operation
       12. Option to navigate back to the main context
       13. There should be a third option to close the application
  2. Nonfunctional Requirements
     + 1. *Capacity*: Currently 1gb storage required for the prototype. Later the system will be scaled up for increasing volume demands.
       2. *Compatibility*: 64 bit system required.
       3. *Reliability* *and availability*: Users will be using the application hourly on weekdays
       4. *Scalability*: Currently one user at a time can use the application prototype
       5. *Usability*: System will be very simple to use.