**Software Requirements Specification**

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| **Abstract:** |  |  |
| **Keywords:** |  |  |
| **Approved:** | **Neil John** |  |
|  |  |  |
| **Author** | **Project Manager** | **Product Owner** |
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**Revision History**

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Date** | **Author** | **Change Description** |
| 1.0 | 13th May | Shweta Khatri | Created the project |
|  |  |  |  |

**Learners Academy Application**

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1. **INTRODUCTION**

Learner’s Academy is a school that has an online management system. The system keeps track of its classes, subjects, students, and teachers. It has a back-office application with a single administrator login.

* 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 Learners Academy Appliocation 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

**The administrator can:**

* + 1. Set up a master list of all the subjects for all the classes
    2. Set up a master list of all the teachers
    3. Set up a master list of all the classes
    4. Assign classes for subjects from the master list
    5. Assign teachers to a class for a subject (A teacher can be assigned to different classes for different subjects)
    6. Get a master list of students (Each student must be assigned to a single class)

1. **Overall Description**

2.1 Project Features

2.2 CHARACTERISTICS

Users of the system should be able to:

* + 1. Set up a master list of all the subjects for all the classes
    2. Set up a master list of all the teachers
    3. Set up a master list of all the classes
    4. Assign classes for subjects from the master list
    5. Assign teachers to a class for a subject (A teacher can be assigned to different classes for different subjects)
    6. Get a master list of students (Each student must be assigned to a single class)

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
   1. JDBC
   2. JSP-Servlet

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 Learners Academy Application maintains the lists of classes, subjects, teachers and students mapped to each other in the system. It 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 data in a system in order to create the proper backup.

* 1. 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.

Github Link:

GitHub - [shweta-khatri/LearnersAcademy:](https://github.com/shweta-khatri/LearnersAcademy/) Repository for the new Learners-Academy App created