Software Requirements Specification

**App name: Course Enrollment**

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(What the Software Can Do)                                                              6

4.1 *Use Case 1* 6

**1 INTRODUCTION**

**Project Overview**

The team has decided to make a simple windows application where there will be 3 basic features. Firstly, the application can **add** students and information in the database. Second is that the user can **update** the information of the students whether they passed or not. This feature will also be able to modify the grades of the students for documentation purposes. Next, is the **delete** feature, which is self-explanatory, if ever the user adds double students, they can delete it so that it won’t be confusing on their part. Lastly, the user can **view** **and search** the information added and posted.

An added feature is where the user can just **import an existing file** that they have and scan it instead of manually typing it all again into the database. This feature was advised because of the current file system that the department has and they want to be able to scan or import instead, in the incoming future the add feature would most likely to be used.

**Goals and Objectives**

The goal of the app is to make the user’s life easier and not doing everything manually as an administrator. Our objectives are to provide the user a simple and easy way to enroll/register student in the system for the user to view the student’s information. This can improve productivity levels, improve time management and manage stress levels.

The user can be able to add, view, update and delete the information the application contains. They can also search more easily so that it would be easy to look for information the students need.

**2 GENERAL DESIGN CONSTRAINTS**

**Software Environment**

There is already an existing application, however it is missing that feature wherein they can scan or import the existing file that they have. Administrators want to be able to add the existing information they have by not typing it all manually.

We aim to make a functional yet simple application for them to use with the use of the knowledge we have so far and Visual Code 2019 as our compiler.

**Hardware Environment**

As for hardware environment, we aim to be able to use the application on desktops such Microsoft for now.

**3 NONFUNCTIONAL REQUIREMENTS**

**Operational Requirements**

The essentials of this application will be the user's needs. As an administrator, there are a lot of paper works involve, this application will help them have an easier way to document and find information they always need.

**Performance Requirements**

    We aim to have the application to have a quick response, execution time and storage capacity for the convenience of the user.

**Security Requirements**

First, we will make the application secure by making sure that the user needs to sign in first to access it. The information and details that are logged will only be accessible to the user. We will follow the security principles, identify, authenticate, authorize and audit to ensure the safety of the users. We will have encryptions for the password and the user's personal information.

Since the data stored in the application is case-sensitive, we will have to secure the data. The existing application already has it but it’s better to also be safe.

Diagram

Description automatically generatedDiagram

Description automatically generated**4 FUNCTIONAL REQUIREMENTS**