<ITWorks>

**TAFE Buddy
Software Requirements Specification
For SRV (Student Results View)**

Version 1.1

Revision History

Date	Version	Description	Author
24/05/2019	1.0	First Draft	Team_NAG
07/06/2019	1.1	First Review	Team_NAG

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Software Requirements Specification

1.   Introduction

The purpose of this document is to describe in detail the requirements for the "Student Results View" (SRV) software.
It will explain the software functionalities and how the users will interact with it.
It will also include the constraints, the interface and the interaction of this software with other external applications.
To keep this document as clear as possible, it will provide a list of abbreviations and definitions.
This document is intended to be proposed as a reference for developing the first version of the system for the development team.

1.1   Scope

The "Student Result View" (SRV) is a desktop application with database interactivity which helps students at TAFESA to monitor their progress in their courses. It gives an easily accessible overview at what's to come on a student's study path, what has been done and what is being done.
Students will also be allowed to request a parchment once their qualification is determined to be complete on the assumption that the database is accurate and current.
The SRV will be initially made available for the software development students, with the possibility of future expansions to other qualifications.
The system considers the possibility that a student could be enrolled in different qualifications at the same time.

Lecturers can interact with the application by selecting a qualification and a student that belongs to that qualification, to access the student's results. The lecturers can also request a parchment checklist and can apply their electronic signature on it to submit a parchment checklist to the admin staff.
The admin staff receives a list of students that have completed their qualification. The admin staff can review each student's checklist submitted by a lecturer and prompt the creation of a parchment.
Admin staff will also be allowed to add, delete and edit students and lecturers.

The software needs to be able to interact with the database to retrieve the necessary information.

1.2   Definitions, Acronyms, and Abbreviations

Table1 - Definitions

Term	Definition
SRS	Software Requirements Specification
SRV	Student Results View
User	Someone who interact with the application
Student	Someone who studies at TAFESA.
Lecturer	Someone who lectures at TAFESA and need easy access to a student's records.

Admin	Administration staff for a certain qualification at TAFESA.
Stakeholder	Any person who interacts with the system who is not a developer.
Client	The project sponsor.

1.3   Overview

The remainder of this document includes three more chapters.
The second one will explore the system functionalities, how the system will interact with other systems and will define the different stakeholders and how they will interact with the system.
This chapter will also describe the system's constraints and the assumptions about the product.

The third chapter will delve into the details concerning the requirements specifications and will give a description of the system interfaces.

The fourth chapter will cover references to other sources and any other graphic resource that can help in defining the software.

2.   Overall Description

This section serves as an overview of the whole system. It explains the context for the system's creation and operation and it gives a few examples of how the stakeholders can interact with the system.
The last part of this section deals with the constraints and the assumptions considered for the creation of the system.
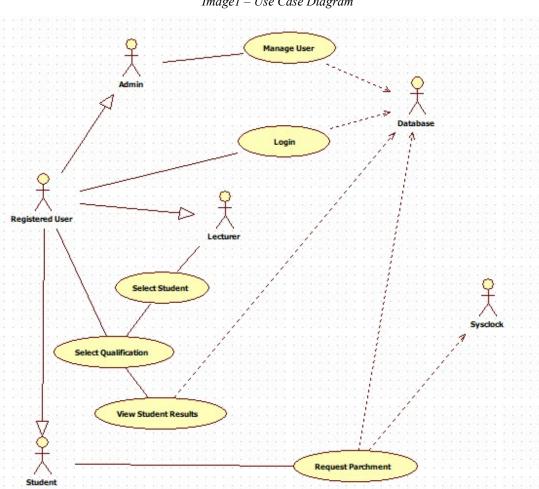
2.1 Use-Case Model

Image1 – Use Case Diagram

2.2 Product Position

The SRV is part of the larger TAFEBuddy system, whose purpose is to create a portal for students to easily access all the information they may need during their study path.

A student can quickly view his/her progress and can request a parchment.

A lecturer can select a qualification, can select a student, can view a student's progress, can generate a parchment checklist.

An admin can view a list of students eligible to request a parchment and can manage add, delete or edit the student and lecturer information

The SRV needs to communicate with the database to retrieve all the relevant information about a student to then display them to the user. The application will be granted access to the database and data entry fuctionalities will be required.

2.3 Assumptions and Dependencies

- The System relies on the database to perform its tasks.
- The database is reliable and secure.
- The dataset inserted in the database are accurate and always up to date.
- The SRV project will only focus on one qualification with room for further expansion.
- The users have access to an internet connection.

3. Specific Requirements

This section provides a detailed description of the features and functionalities of the system.

3.1 Use-Case Specifications

ACTOR – Student

Use Case: **Login**
- Description: A student login to access the result view.

Use Case: **Select Qualification**
- Description: After logging-in a student is presented with the view of the results of the most recent qualification. If more than one enrolment exists, a drop-down list will be populated with all the qualifications. The student can select one of the qualifications to see the related results.
  If there are no other qualification the drop-down list will be empty.

Use Case: **Apply for parchment**
- Description: A student that has successfully completed all the subjects of a qualification can apply to receive a parchment.

ACTOR – Lecturer

Use Case: **Select Course**
- Description: A Lecturer can select from a drop-down list populated with the courses he is registered as a lecturer.

Use Case: **Select Student**
- Description: After selecting a course, a different drop-down list will be populated with the students enrolled in that course. The lecturer can select one of the students to access that student's results view.

Use Case: **View Students Eligible for Parchment**
- Description: A lecturer can request a report that list all the students that completed a qualification and are still enrolled.

Use Case: **Require Parchment Checklist**
- Description: A Lecturer can request the system to generate a parchment checklist for each student.

ACTOR – Admin

Use Case: **Manage User**
- Description: The Admin can add, remove or edit another user.

3.2 Supplementary Requirements

- The SRV is going to be responsive. It can be visualized on any kind of devices.

- The color palette comes from TAFESA graphic norm manual.

- The database will be in a web server.