**Software Requirements Specification Documentation**

* **Introduction**
  + **Purpose**

The purpose of this documentation is to layout the requirements of the users, software, and design. The purpose of the application itself to create an all-inclusive and diverse learning and teaching platform.

* + **Intended Audience**

This project intended audience is educational institutions or individuals who wish to have an immersive learning environment.

* + **Project Scope**

The purpose of the Virtual Classroom Dashboard is to ease educators and to create a convenient easy-to-use application for its diverse user group. The system includes a relational database that may include some object-oriented aspects. This system also includes a web-application that will focus on security and user experience.

* **Overall Description**
  + **Product Perspective**

Web application software that includes a database system that stores the following:

* + - * User information: This includes each user’s id, name, phone number, email, address, and user type.
      * School information: This includes each schools id, names, address, and school code.
      * Course information: This includes each courses id, name, course code, and user id(If an educator)
      * Grades:
      * Announcements:
      * Assignments:
      * Assessments:
      * Questions:
      * Answers:
      * More to come..
  + **Product Features**

[Insert ER diagram] & other features.

* + **User Classes and Characteristics**

Students:

* Insert quiz/exam/assignment answers
* upload documentation
* view quiz/exam/assignment
* Get all grades/classes/announcements
* View grades/classes/announcements
* Calculate grade average/exam scores/assignment scores/quiz scores

Educators:

Administration:

* + **Operating Environment**
    - Distributed database
    - Client/server system
    - Browser choice: Chrome (Zoom does not work well in safari)
    - Database: SQL + database
  + **Design and Implementation Constraints**
  + **Assumptions and Dependencies**
* **System Features** 
  + **Functional Requirements**
* **External Interface Requirements**
  + **User Interfaces**

Front-end: HTML / CSS / maybe JavaScript

Back-end: C# ASP.NET

* + **Software Interfaces**

Users need Window or OSX operating system

A browser that supports zoom (preferably chrome, safari should not be used)

* + **Communication Interfaces**

This web application supports all browsers, but the feature zoom will not.

* **Nonfunctional Requirements**
  + **Performance Requirements**
  + **Safety Requirements**
  + **Security Requirements**
  + **Software Quality Attributes**