# CS 255 System Design Document

## UML Diagrams

### UML Use Case Diagram

A diagram of a software

Description automatically generated

### UML Activity Diagrams

A diagram of a company

Description automatically generated

A diagram of a activity diagram

Description automatically generated

### UML Sequence Diagram

A diagram of a process

Description automatically generated

### UML Class Diagram

*A diagram of a class diagram

Description automatically generated*

## Technical Requirements

There are some technical requirements that is needed for this system. First it is recommended to use a cloud base server to handle the scalability of users. This will limit cost, support, and maintenance for the system. Additionally, it is the lower cost option that will be returned in the ROI from users. For the different users, roles will need to be set up for access. Security requirements will be needed such as encrypted connections and multi factor authentication. All access will be from an online connection to the server. This will allow user’s to be able to access up to date content, appointments, and online tests.