# CS 255 System Design Document Template

## UML Diagrams

### UML Use Case Diagram

*A diagram of a company

Description automatically generated*

### UML Activity Diagrams

A diagram of a company

Description automatically generated

A diagram of a company

Description automatically generated

### UML Sequence Diagram

A diagram of a system

Description automatically generated

### UML Class Diagram

A diagram of a computer flow

Description automatically generated with medium confidence

## Technical Requirements

For this specific system, the customer would like this to be accessible from any place at any time. In order to accomplish this, the system should be on a web-based server, this will allow many users to access the system at one time, and it can be done anywhere since most devices will have a web browser available. With the number of users that could be on at any time and the amount of data that is going to need to be stored for each user and class, there should be a large amount of storage on the server as well. Since the administration would like to edit and change parts of the curriculum and would like to do it without paying for a developer to change it, there needs to be an inclusion of POST requests, so that administration users without development knowledge can change elements of the webpage. For security, since this is web based, the system should use the HTTPS security so that any information that is being transferred will be encrypted.