# CS 255 System Design Document Template

## UML Diagrams

### UML Use Case Diagram

A diagram of a diagram

Description automatically generated

### UML Activity Diagrams

A diagram of a computer

Description automatically generated

A diagram of a schedule

Description automatically generated

### UML Sequence Diagram

A diagram of a person's work flow

Description automatically generated

### UML Class Diagram

A screen shot of a graph

Description automatically generated

## Technical Requirements

A reliable cloud-based web server infrastructure is needed to host this system. A database server is required to store user info, login credentials, learning progress, etc. The system should also be accessible from various devices including computers, laptops, and phones.

The server infrastructure should run on a compatible operating system, common choices include Linux distros or a Windows Server. A backend framework should also be used to develop the server side logic, manage user authentication, and handle data interactions. Regular automated backups should be implemented to ensure data recovery in case of any failure.