# CS 255 System Design Document Template

## UML Diagrams

### UML Use Case Diagram

*A diagram of a software project

Description automatically generated*

### UML Activity Diagrams

*A diagram of a program

Description automatically generated*

*A diagram of a test activity

Description automatically generated*

### UML Sequence Diagram

*A diagram with text and diagrams

Description automatically generated with medium confidence*

### UML Class Diagram

*A screenshot of a computer

Description automatically generated*

## Technical Requirements

Hardware

* We will need cloud-based servers.
  + This is to ensure that the servers are always online, and that we do not need to maintain them ourselves.
* We need cars compliant with DMV for teaching students how to drive.
* Computers or mobile phones to connect to the website via the internet.

Software

* We need some type of calendar software to ensure easy access to appointments.
* Payment processing to handle any transactions.
* We need software that complies with DMV API to access practice questions.

Tools

* Computers and mobile devices will be needed to connect to the website and calendar scheduling system.

Infrastructure

* If we use cloud services to host the website, very little infrastructure will be required.
* A parking lot will be needed to store cars used for students and instructors to use.