# CS 255 System Design Document Template

## UML Diagrams

### UML Use Case Diagram

A screenshot of a computer

Description automatically generated

### UML Activity Diagrams

A diagram of a computer program

Description automatically generated

A diagram of a package

Description automatically generated

### UML Sequence Diagram

A diagram of a user access system

Description automatically generated with medium confidence

### UML Class Diagram

A diagram of a computer

Description automatically generated

## Technical Requirements

The technical requirements of this system are:

* Cloud-based server space on which DriverPass related operations can be performed.
* A method to connect the DriverPass server(s) to the DMV and automatically dispatch notifications when the DMV updates any requirements regarding driving requirements/testing.
* A user-interface with which users interact for the purposes of taking online classes and scheduling in-person driving lessons.
* Role-based access control to differentiate between user permissions and capabilities.
* User activity tracking
* A dedicated developer to add/remove modules per Ian’s request