# CS 255 System Design Document Template

## UML Diagrams

### UML Use Case Diagram

*A diagram of a driver pass

Description automatically generated*

### UML Activity Diagrams

*A diagram of a company

Description automatically generated*

A diagram of a password

Description automatically generated

### UML Sequence Diagram

*A diagram of a user interface

Description automatically generated*

### UML Class Diagram

*A computer screen shot of a computer flow chart

Description automatically generated*

## Technical Requirements

In order to create the driver pass system as I have drawn it in these diagrams there are several technical requirements that will have to be met in order for the system to function. The system will have to be developed for a web-based platform so that users have access to it no matter where they are as long as they have an Internet connection. Having a consistent Internet connection is a requirement for using the system because it is very likely that this entire system will be held on a remote server and accessed through various devices both mobile and desktop with different operating systems. The back end of the system will need a robust database to handle user information, student grades, driving reservations, payment information, and various other things that may need to be referenced. In order to remain secure the system will also require a decent security system involving unique user credentials and a secure way to reset those credentials if they are stolen or forgotten.