# CS 255 System Design Document Template

## UML Diagrams

### UML Use Case Diagram

A picture containing diagram

Description automatically generated

### UML Activity Diagrams

*Graphical user interface

Description automatically generated*

*Diagram

Description automatically generated*

### UML Sequence Diagram

Sequence Diagram for Choosing Package Use Case

Graphical user interface

Description automatically generated

### UML Class Diagram

Timeline

Description automatically generated

## Technical Requirements

Based on the diagrams I have created; the system will need some technical requirements in order for it to function properly. As far as the required hardware for the DriverPass system, it is recommended that the developer have a processor of at least 1 GHz, the higher the GHz, the quicker a task can be completed, an ethernet cable or WiFi with high-speed internet connection as the system will be hosted on a website. The tools we could use to create the system will be HTML, CSS, and JavaScript. For the website to be stable, a web server will be required as well. As stated in our Business Requirements Document, the website shall be accessible on any computer or mobile device and be able to load at a quick rate, this can be done by making images as small as can be and shortening videos in the courses of DriverPass. For security purposes, we can also include a two-factor authentication on the website for both customers and administration.