# CS 255 System Design Document

## UML Diagrams

### UML Use Case Diagram

*A diagram of a driver pass website

Description automatically generated*

### UML Activity Diagrams

*A screenshot of a computer screen

Description automatically generated*

*A screenshot of a computer screen

Description automatically generated*

### UML Sequence Diagram

*A diagram of a company

Description automatically generated*

### UML Class Diagram

*A diagram of a company

Description automatically generated with medium confidence*

## Technical Requirements

Based on the functional and nonfunctional requirements, if we’re going to make a web-based application, we’re proposing for the system to run on a UNIX operating system like Linux due to it’s efficiency in memory management system, security in encryption, as well as its cost effectiveness, and the many development tools available. Our clients want to use a cloud database, so it can manage user accounts without the hassle of worrying about security. We’ll also need to connect to an online payment system. E.g. paypal, credit cards, stripe.