# CS 255 System Design Document Template

## UML Diagrams

### UML Use Case Diagram

### UML Activity Diagrams

### 



### UML Sequence Diagram

### 

### UML Class Diagram

## Technical Requirements

The DriverPass system's technical requirements are designed to ensure a robust, secure, and accessible platform. For hardware, it includes scalable servers and backup systems to support cloud-based functionality and uptime. Software requisites involve a relational database for data management and web server software to manage cross-platform compatibility. The development tools will facilitate a responsive design for various user devices, while security tools will enforce TLS encryption and robust authentication measures. A cloud infrastructure will be deployed for system scalability and to enable real-time updates, complying with DMV regulations, and a CDN to meet performance benchmarks such as sub-2-second response times. This infrastructure will support the system's functional needs for global access, user management, and content adaptability.