# CS 255 System Design Document Template

## UML Diagrams

### UML Use Case Diagram

A diagram of a driver pass

AI-generated content may be incorrect.

### UML Activity Diagrams

*A screenshot of a diagram

AI-generated content may be incorrect.*

### UML Sequence Diagram

*A diagram of a customer

AI-generated content may be incorrect.*

### UML Class Diagram

*A diagram of a user

AI-generated content may be incorrect.*

## Technical Requirements

Hardware:

* Cloud-hosted server
* Internet devices like PCs and phones for users

Software:

* Browser-based web applications (Chrome, Safari, Edge, and Firefox)
* HTTPS (SSL/TLS)

Tools:

* Lucidchart diagrams
* CSV/Excel for reports
* PCI-compliant payment processor

Infrastructure and Security:

* Role-based access
* Authentication for password reset by Admin
* HTTPS for encryption in transit
* Logging and Monitoring for those who create/modify/cancel