# CS 255 System Design Document Template

## UML Diagrams

### UML Use Case Diagram

A diagram of a company

AI-generated content may be incorrect.

### UML Activity Diagrams

A diagram of a email

AI-generated content may be incorrect.A screenshot of a computer flowchart

AI-generated content may be incorrect.

### UML Sequence Diagram

A diagram of a graph

AI-generated content may be incorrect.

### UML Class Diagram

A diagram of a company

AI-generated content may be incorrect.

## Technical Requirements

*These are the technical requirements for DriverPass****.*** *It will run as a browser-based web app hosted in the cloud, with a few web servers behind HTTPS, a managed SQL database, and cloud storage for Excel exports. The front end uses HTML/CSS/JavaScript, and the back end is a simple REST service built with a common framework (Node, .NET, or Spring). The system connects to an email service for password resets and confirmations and a payment processor for card payments (no card data stored). We’ll create diagrams in Lucidchart, keep code in GitHub with a basic build/deploy flow, and enable daily backups, basic monitoring/logging, and role-based access for Customer, Secretary, IT Admin, and Owner.*