# 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 diagram of a software process

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A diagram of a customer planning

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### UML Sequence Diagram: Customer Scheduling a Driving lesson

A screenshot of a computer screen

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### UML Class Diagram

A diagram of a company

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## Technical Requirements

The proposed system will be hosted on a cloud platform (e.g., AWS, Azure) to ensure scalability and high availability, utilizing both relational and NoSQL databases. Failover mechanisms and redundancy will be in place to maintain consistent uptime. The frontend will feature a dynamic, responsive web framework for an engaging user interface. SSL/TLS protocols will secure all requests and protect sensitive information, such as payment details, names, and addresses. Real-time updates from the DMV will be integrated through a secure API. The system will be optimized for both mobile and desktop devices, supporting real-time updates while ensuring compliance with data privacy regulations like GDPR.