# CS 255 System Design Document Template

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## UML Diagrams

### UML Use Case Diagram

*Removed color coding as recommended per discussion postA diagram of a driver pass

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### UML Activity Diagrams

New account sign up

*A screenshot of a computer

Description automatically generated*

*Log in*

A computer screen shot of a diagram

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### UML Sequence Diagram

*A screenshot of a diagram

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### UML Class Diagram

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## Technical Requirements

The system requires server infrastructure to host the website and dedicated server storage to securely store user data.

For website construction and administration, developers will use a Linux-based environment using JavaScript and/or HTML.

APIs are required for easy communication when integrating with other systems, such as the local DMV.

A complete security architecture must protect user privacy while preventing illegal access.

Secure user authentication requires essential user features such as sign-up and login sites.

A user-friendly home page with connections to different sections is essential for user engagement.

Support services should be offered via a strong system that allows users to efficiently communicate with support workers.

The system design should follow object-oriented programming concepts to improve organization and maintenance.