# CS 255 System Design Document Template

## UML Diagrams

### UML Use Case Diagram

*A diagram of a person's diagram

AI-generated content may be incorrect.*

### UML Activity Diagrams

A screenshot of a computer screen

AI-generated content may be incorrect.

A diagram of a report

AI-generated content may be incorrect.

### UML Sequence Diagram

A diagram of a software system

AI-generated content may be incorrect.

### UML Class Diagram

A diagram of a company

AI-generated content may be incorrect.

## Technical Requirements

**Hardware Specifications**

**Server Infrastructure***: The driverPass system requires a specialized server with a stable internet connection to ensure continuous availability and performance.*

**Data Storage***: large amount of storage is essential to host the database, user data (including personal information and test scores), and all website assets.*

**User Access***: The system must be accessible from various user devices, including computers and mobile devices, through a web-based environment.*

**Software Specifications**

**Operating System***: The server's operating system should be**the windows OS due to its compatibility with other recommended technologies.*

**Database Management***: SQL Server*

**Web Server***: A web server is required to host the web-based application and handle user requests.*

**Scalability***: The infrastructure should utilize a cloud computing service to provide a scalable environment that can handle increased user traffic and data storage needs.*