# CS 255 System Design Document Template

## UML Diagrams

### UML Use Case Diagram

Diagram

Description automatically generated

### UML Activity Diagrams

Login Activity Diagram:

Diagram

Description automatically generated

Appointment confirmation use case:

Diagram

Description automatically generated

### UML Sequence Diagram

Diagram

Description automatically generated

### UML Class Diagram

Diagram

Description automatically generated

## Technical Requirements

**Hosting Requirements:**

* Cloud hosting
  + Consider providers with physical network security.

**Host Software Requirements:**

* DriverPass application
* Security Software

**Client Hardware Requirements:**

* Laptop or desktop computer
* Ethernet connection or wireless network card for internet connectivity
* Power supply
* Internet access

**Client Software Requirements:**

* Web browser
* Operating system (ex: Windows, MacOS, Android)
* Security software

Tools for Development:

* IDE for programming
* Internet connection
* Virtual environment for testing

Infrastructure Tools:

* Cloud hosting provider
* Reliable database (ex: SQL databases, which works well when hosted on cloud)
* Vehicles for lessons
* Payment processing system