# CS 255 System Design Document

## UML Diagrams

### UML Use Case Diagram

Chart, diagram, bubble chart

Description automatically generated

### UML Activity Diagrams

Diagram

Description automatically generated

Diagram

Description automatically generated

### UML Sequence Diagram

A picture containing chart

Description automatically generated

### UML Class Diagram

Diagram, schematic

Description automatically generated

## Technical Requirements

The DriverPass system interface will consist of an online website with adaptive design. The website must be hosted on an in-house physical server that we put together ourselves or on a cloud server purchased outside the company. Regardless, it must be able to withstand at least several thousand concurrent users without loss of performance. An SQL database should be locally maintained to house all user and material data. Communication between the site and database must be continuous.