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CS 255 System Analysis and Design

# CS 255 System Design Document

## UML Diagrams

### UML Use Case Diagram

*Diagram, schematic

Description automatically generated*

### UML Activity Diagrams

*Diagram

Description automatically generated*

*Diagram

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### UML Sequence Diagram

Timeline

Description automatically generated

### UML Class Diagram

Diagram

Description automatically generated

## Technical Requirements

The DriverPass system will be based on a web-based application that will use a cloud-based server. The cloud-based server will contain the database which will have the users account information as well as the company employees, vehicles, and tests. The server will also contain the code that will be used to run the program, which will connect with the multiple systems or applications. We will run the system on iOS and Android mobile devices, web applications including Chrome, Safari, Edge, Firefox etc. and we will use Windows and MacOS as the operating systems where the developers will write the Java code using Eclipse as the IDE.