# CS 255 System Design Document

## UML Diagrams

### UML Use Case Diagram

A diagram of a driver pass system

Description automatically generated with medium confidence

### UML Activity Diagrams

*A diagram of a flowchart

Description automatically generated with low confidenceA picture containing text, diagram, sketch, plan

Description automatically generated*

### UML Sequence Diagram

A screenshot of a computer

Description automatically generated with medium confidence

### UML Class Diagram

A picture containing text, diagram, plan, technical drawing

Description automatically generated

## Technical Requirements

The DriverPass system will need a few technical requirements. The system must function using a cloud platform for the web and mobile versions. Users will also be able to download data on the go to access information any time. A database must be implemented to store login and other important information. All data must be encrypted to ensure security and integrity to all users using and interacting with the system. By using a cloud platform, data and other information will be able to upload and update faster, which will enable easy access to scheduling appointments, view customer progress, DMV guidelines, interact with online tests, etc. Overall, specific IDs will allow access to specific parts of the system that other users cannot access, giving another layer of security on who can access what.