# CS 255 System Design Document

## UML Diagrams

### UML Use Case Diagram

Diagram

Description automatically generated

### UML Activity Diagrams

Diagram

Description automatically generatedDiagram

Description automatically generated

### UML Sequence Diagram (Based off Activity Diagram 1)

Diagram

Description automatically generated

### UML Class Diagram

Diagram

Description automatically generated

## Technical Requirements

*Required Hardware:*

* *Windows based Computers to program*
* *Ethernet/Wireless connection*

*Required Software:*

* *Credit Card processing*
* *Programming software (ex: Visual Studio Code)*
* *DriverPass software*
* *Security Software to protect customer data*

*Required Tools:*

* *Internet Connection for server upload and DMV synchronization*
* *Admin tools for creating reports and monitoring*

*Required Infrastructure:*

* *Server location/cloud provider*
* *Adequate power supplies for building/equipment*
* *Adequate Bandwidth*
* *Cars for Students/Instructors*
* *Insurance for employees and cars*
* *Permitted pickup/drop off locations*