# Evan Scarborough – CS 255 Project 2

## UML Diagrams

### UML Use Case Diagram*A diagram of a system Description automatically generated*

extends

### UML Activity Diagrams

*A diagram of a driver pass

Description automatically generated*

*A computer screen shot of a diagram

Description automatically generated*

### UML Sequence Diagram

A diagram of a driver pass

Description automatically generated

### UML Class Diagram

A computer screen shot of a diagram

Description automatically generated

## Technical Requirements

Based on the above outlines, the DriverPass system will require the following:

* Hardware:
  + A computer for the secretary to use.
* Software/Tools:
  + For development:
    - C# Visual Studio
      * Development will make use of .NET resources such as Entity Framework for tracking accounts and authentication.
    - Blazor Frontend (no Javascript!)
    - SQL Database
    - Lucidchart for any diagramming
    - GitTea for source control
    - Azure DevOps for tracking user stories
* Infrastructure:
  + A database to store user information, instructor information, courses, modules, and assignments, as well as user submissions.
  + An API to receive updates from the DMV about new requirements.
  + An API to communicate with third-party payment processing service.