DriverPass System Design Document

Tyler Coplan

Southern New Hampshire University

October 16, 2021

## UML Diagrams

### UML Use Case Diagram

*Diagram

Description automatically generated*

### UML Activity Diagrams

Diagram

Description automatically generated

Diagram

Description automatically generated

### UML Sequence Diagram

Schedule Appointment Sequence Diagram

*Diagram

Description automatically generated*

### UML Class Diagram

Diagram

Description automatically generated

## Technical Requirements

* Cloud-based server
* Database
* Appointment scheduling calendar software
* Third-party payment processor
* DMV API
* URL

The system will run on a cloud server for minimal upfront costs and low IT maintenance. Many cloud servers come with database packages that work well together. A URL, or website domain, needs to be purchased for customers and employees to access the system. Scheduling software needs to be linked to the system to manage driving instruction appointments. Lastly, a payment processor is needed to carry out transactions and an API is needed for the DMV with our system.