**7-3 Project Two**

Southern New Hampshire University

CS 255: System Analysis and Design

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# CS 255 System Design Document Template

## UML Diagrams

### UML Use Case Diagram

*Diagram

Description automatically generated*

### UML Activity Diagrams

*Diagram, schematic

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### UML Sequence Diagram

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### UML Class Diagram

Diagram

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## Technical Requirements

The technical requirements needed for our system will first be that the system needs to exist on the web using a cloud-based architecture. Users need to be able to access the application from the web to make, modify and view appointments. They need to be able to purchase available packages and take test examinations. Our system will also need to be able to communicate with the DMV to ensure that all policies maintain compliance as well as the most up-to-date rules and regulations so that Driver Pass can provide the best possible and most realistic practice experience possible. To accomplish these requirements we will need a database to store information such as user information, package information, the appointment schedule and so on. Since we will be transmitting information over the web we will want to ensure we are using the most up to date security standards such as SSL/TLS, encryption, check sums etc. We will also be implementing roll based access and ensuring the are following the principle of least privilege to provide further security to the users and our client.