SNHU

7-3 Project Two: System Design Document

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### CS 255 System Analysis and Design

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**SYSTEM DESIGN DOCUMENT: DriverPass System**

**UML USE CASE DIAGRAM**

*Diagram

Description automatically generated*

**UML ACTIVITY DIAGRAMS (2)**

*Diagram

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*Diagram

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**UML SEQUENCE DIAGRAM**

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**UML CLASS DIAGRAM**

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**TECHNICAL REQUIREMENTS**

The technical requirements of the system based on the diagrams I have created include the following; As the DriverPass system will be web based, we will need to choose a reputable cloud-based service provider that is known for quality, speed, and 99.99% uptime. This is crucial for the system to run effectively and efficiently as data will be flowing back and forth between the database, DriverPass system, and the user’s browser. We want the users to have a good experience when using the DriverPass website. We must also ensure that the cloud-based service provider we choose uses industry standard security when it comes to encryption and SSL certificates.

As users will be logging into the DriverPass system through various browsers, operating systems, and devices, we want to ensure optimal compatibility for all these possibilities. The IT for DriverPass needs to be trained on how to navigate the settings for the cloud-based service provider we choose so that they can comfortably handle any minor updates or changes that Liam may wish to make.