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CS255: System Analysis & Design

Southern New Hampshire University

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# CS 255 System Design Document

## UML Diagrams:

### UML Use Case Diagram



### UML Activity Diagrams

Diagram

Description automatically generated

A screenshot of a video game

Description automatically generated with medium confidence

### UML Sequence Diagram

Graphical user interface, diagram

Description automatically generated

### UML Class Diagram

Timeline

Description automatically generated

## Technical Requirements

The system's technical requirements are designing the system to run on the web and have all the information stored using the cloud. Certain aspects of the data need to be downloadable for the DriverPass to analyze and the students to use on the go or where they don't have a reliable connection. The data is stored in the cloud needs to be secure and encrypted to ensure its integrity and security. The information being held in the cloud should only be necessary for the DriverPass system. Finally, the system will need to have a fast and reliable connection to the cloud. This will ensure data is being consistently updated and any new information is available right away.