Southern New Hampshire University

Project Two

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# CS 255 System Design Document Template

## UML Diagrams

### UML Use Case Diagram



### UML Activity Diagrams: User Login & Purchase of Education Package





### UML Sequence Diagram



### UML Class Diagram



## Technical Requirements

Technical Requirements: requirements that are sourced from previously stated functional and nonfunctional requirements, these technical requirements are the foundation of which the application will be built upon to satisfy the client’s needs & requests

* Cloud web hosting server for DriverPass
  + Security built into virtual server, that should not need support from DriverPass IT
* Additional server to house data
* Interoperability: support/design for macOS and Windows
* Privacy production for sensitive customer data
* Users of the system (in any role) will need device with web browser, internet, power source
* Software to control public traffic & activity
* Accessible design of front end
* Maintain minimum availability metrics determined by DriverPass
* User authentication & authorization to determine appropriate clearance and access
* Error handling and notification for all user inputted information