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CS255 – System Analysis and Design

Professor Washington

# CS 255 System Design Document Template

## UML Diagrams

### UML Use Case Diagram

Diagram, schematic

Description automatically generated

### UML Activity Diagrams

Diagram

Description automatically generated

Diagram

Description automatically generated

### UML Sequence Diagram

Diagram

Description automatically generated

### UML Class Diagram

Diagram

Description automatically generated

## Technical Requirements

There are a few technical requirements of the DriverPass system outlined in the models above. This system shall be an online, web-based system that needs to be developed for multiple devices. A version for the computer will be needed as well as a mobile version for users to access the system on their phones and tablets while on the go. Cloud based hosting shall be used for the database to house personal information like usernames, passwords, addresses and credit card information amongst other things. The cloud will also allow things like the schedule to be updated in near real time. Admin privileges shall be tiered allowing certain types of admins access that others may or may not have.