# CS 255 System Design Document Template

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## UML Diagrams

### UML Use Case Diagram

*Diagram, engineering drawing

Description automatically generated*

### UML Activity Diagrams

Diagram

Description automatically generatedDiagram

Description automatically generated

### UML Sequence Diagram

Diagram

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### UML Class Diagram

Diagram

Description automatically generated

## Technical Requirements

As outlined in the DriverPass interview transcript, the DriverPass system needs to verify user logins and privileges before allowing a user to access the system. If an unsuccessful login attempt happens, the user will be prompted to re-enter their login information or reset their password. DriverPass employees shall have different privileges based on their role which will be assigned by the owner. The system shall automatically update learning materials from the DMV so that students are learning from the most up-to-date materials available. The system shall update the customer and DriverPass employees whenever a new communication is sent or replied to.

References:

Liam, Ian, Jennifer, Sam. (January 22, 2022). *CS 255 DriverPass Interview Transcript.*