# CS 255 System Design Document Template

## UML Diagrams

### UML Use Case Diagram

*Diagram

Description automatically generated*

### UML Activity Diagrams

Diagram

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### UML Sequence Diagram

*Diagram

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### UML Class Diagram

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## Technical Requirements

For the hardware functionality for the DriverPass system, since the application is cloud-based, all one will need to develop is a 64-bit server installed into your computer. For the software portion of DriverPass, the basics that are needed are Cloud security and an HTML editor compatible with both Linux and Windows for wide-ranged app coverage. Access to multi-factor authentication software will also help provide extra security. The tools that are required to make the DriverPass web application work with the combined code GitHub would be useful for collaboration. Chrome Developer tools may also help in the assistance of creating a user-friendly webpage. The infrastructure that is required to maintain a web-based application is the web server that is needed to connect to. Firewalls are recommended for further security purposes. An IDS would also be recommended since it is an intrusion detection system. Finally, the cloud will serve as our back-end infrastructure and take care of most security processes.