# 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

The DriverPass system will be a web-based application utilizing a cloud-based service. It will be developed using a language best suitable for applications on computers, for example utilizing the Python language. The cloud-based service will ensure the security of the user’s data to the server. The database on the cloud is used to login when gathering the user credentials. By using a cloud-based service for the system, the downtime for maintenance will be provided by the cloud service. All information will be secured within the system. Computers or laptops are compatible with the application as it is online, but mobile devices or tablets will be added in the near future.