# CS 255 System Design Document

## UML Diagrams

### UML Use Case Diagram

*Diagram

Description automatically generated*

### UML Activity Diagrams

Diagram

Description automatically generated“Log In” Use Case “Customer Make Appointment” Use Case

Diagram

Description automatically generated

### UML Sequence Diagram

“Customer Make Appointment” Sequence Diagram

Diagram, schematic

Description automatically generated

### UML Class Diagram

Diagram

Description automatically generated

## Technical Requirements

For DriverPass, a dedicated web server will need to be established and maintained as well as a database server. The server should provide sufficient processing power and memory for multiple concurrent users at once. To maintain security of the system, a role-based system will be implemented so that users don’t have functionalities outside of their desired functions. The server will be developed following HTTPS. To update DriverPass, functionality to securely close and restart the application will also be developed.