# CS 255 System Design Document

## UML Diagrams

### UML Use Case Diagram

Diagram

Description automatically generated

### UML Activity Diagrams

*Diagram

Description automatically generated*

### UML Sequence Diagram

Diagram

Description automatically generated

### UML Class Diagram Diagram Description automatically generated

## Technical Requirements

The system will require some key things to meet the client’s business requirements. The biggest requirement is for the system to be web-based and run through some sort of cloud infrastructure to handle the security and database management. The system will also need to be able to store data locally for the user to be able to download data to look at offline. We also need to make sure the system utilizes role-based security and permissions since there are different roles of users interacting with the DriverPass app, like the IT Support being able to reset passwords and secretaries being able to reserve driving lessons for customers.