# CS 255 System Design Document

## UML Diagrams

### UML Use Case Diagram

A diagram of a driver pass

Description automatically generated

### UML Activity Diagrams

A diagram of a flowchart

Description automatically generated

A diagram of a flowchart

Description automatically generated

### UML Sequence Diagram

*A screenshot of a package selection

Description automatically generated*

### UML Class Diagram

A diagram of a company

Description automatically generated

## Technical Requirements

* *System should be web based.*
* *System should utilize the cloud for storage and security.*
* *The system should offer the user a choice of three packages and log the user’s choice of package.*
* *The system should make data accessible both online and offline.*
* *The system should allow the user to modify/update data when the user is online only.*
* *The system should be available to access from a mobile phone.*
* *The system should limit user access and empower admins with full access to update user profiles.*
* *The system should log user actions to be referenced later by the user or the admin.*
* *The system should allow users to create, modify, and cancel reservations for drive time.*
* *The system should log user reservations made both online and over the phone.*
* *The system should assign a driver to each reservation, allowing the user to see who they’re driving with.*
* *The system should allow the staff developer to add or remove modules or packages.*
* *The system should allow the driving instructor to leave notes that remain in the user’s profile.*
* *The system should show the user the tests/classes they currently have in process.*
* *The system should allow the user to communicate with the admin and vice versa.*