# CS 255 System Design Document Template

## UML Diagrams

### UML DriverPass Use Case Diagram

Diagram

Description automatically generated

### DriverPass UML User login and create account Activity Diagram

Diagram

Description automatically generated

### UML Sequence Diagram (Sequence)

Diagram

Description automatically generated

### UML Driver Class Diagram

*Diagram

Description automatically generated*

## Technical Functional Requirements

* The system shall validate user credentials when logging in.
* The system shall update all data and information between platforms.
* The system shall allow a user to reset their password.
* The system shall allow data to be modified on any platform.
* The system shall tell the progress of scheduled training and hours taken.
* The system shall be updated with any DMV regulations or laws.
* The system shall show online test progress.
* The system shall display user information.
* The system shall be flexible and able to modify to add new features.

**Nonfunctional Requirements**

* The system needs to run on the main operating systems and web browser
* Android
* Mobile devices
* IOS
* Web Browser
* The system needs to run fast enough to quickly update its web browser and its corresponding applications.
* The system should be updated after each modification and on a scheduled basis.

Modification:

* New Security Update
* Reports of Crash/Buggs
* General Updates/Scheduled Updates
* New or updated DMV test regulations, new laws, and legal/illegal driving information