# CS 255 System Design Document Template

## UML Diagrams

**UML Use Case Diagram**

Diagram, schematic

Description automatically generated

### UML Activity Diagrams

*Uploading Driver Notes*

Diagram

Description automatically generated

### Schedules Drive

### Diagram Description automatically generated

### UML Sequence Diagram (Edits driver notes)

Diagram

Description automatically generated

### UML Class Diagram

Diagram

Description automatically generated

## Technical Requirements

Authentication is going to be important for this system as we have three different users that have access to the system. Those being driver, student, and the admins. Having an API authentication when logging in will allow for you to request access and then if you accepted be taking to the page for the information you need to access. This would allow for only users that have called DriverPass to be signed up and be allowed to access the content. DriverPass has also said for ease of security and maintenance they want to use a cloud based system. This will allow for them to have zero storage issues and will assist in making sure they are compliant. For hardware, to be able to access this system a computer or mobile device will need to be able to access the internet. All three users involved will need this. There will need to be a connection between the DMV and DriverPass for it to be able to update data in timely manner and notify users if this has occurred.