# CS 255 System Design Document Template

## UML Diagrams

### UML Use Case Diagram



### UML Activity Diagrams

### A screen shot of a diagram Description automatically generated



### UML Sequence Diagram



### UML Class Diagram



## Technical Requirements

The DriverPass system will need to be able to run on multiple platforms. This means that we will need to implement the system using a server to make requests correctly on phones, tablets, and computers. We will need to keep the system lite for it to run on older machines that may not have a lot of processing power due to the demographic of users that DriverPass is targeting. We can set the RAM requirement to 4GB. Most machines have at least that in their system. The user’s device will need to be able to run the latest browser of their choice. We will need 2 servers. The second server will be for backups. We will need a cloud-based security system to take care of the authentication component. To update the system over time, we will require a version control system. In order to create the system, we will need an IDE, diagramming tools, and a project management tool.