# CS 255 System Design Document

This template lays out all the different sections that you need to complete for Project Two. Each section has guidance to prompt your thinking. You will need to continually reference the interview transcript as you work to make sure that you are addressing your client’s needs. There is no required length for the final document. Instead the goal is to complete each section based on what your client’s needs are. Remove this note when you are finished, and replace all bracketed text with the relevant information.

## UML Diagrams

### UML Use Case Diagram



### UML Activity Diagrams



### UML Sequence Diagram

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### UML Class Diagram



## Technical Requirements

*[Based on the diagrams you have created, describe the technical requirements of your system. These requirements should address the required hardware, software, tools, and infrastructure necessary for your system design.]*

The technical requirement for this system consists of hardware, software, and infrastructure. For the software requirements, the system should be operating on a Linux OS distro. This OS is versatile and easy to modify and secure since DriverPass will be utilizing information from the DMV. Also, since DriverPass is having users register an account to utilize their services, there needs to be a database of user info which is perfectly suited with Linux. The software for this system should be able to run on computer and phone regardless of what OS is running on each device. The system should have the capability to run cross platform and on any device that has internet access. For the hardware requirements, the DriverPass Admins and employees will need personal computers. The recommendation is for laptops to be given to each employee and admin. As for infrastructure, DriverPass should utilize cloud service to deliver their services to customers. This would eliminate the need for having physical servers that would need to have dedicated team to maintain.