# CS 255 System Design Document Template

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

A diagram of a driver pass

Description automatically generated

### UML Activity Diagrams

A diagram of a customer login

Description automatically generated

A diagram of a software system

Description automatically generated

### UML Sequence Diagram

*A diagram of a person with blue squares

Description automatically generated*

### UML Class Diagram

A screenshot of a computer screen

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## Technical Requirements

Based on the diagrams that I created I must first say the DriverPass system will need to run on a cloud-based server to ensure that the system will run smoothly. A cloud-based server will also be necessary to store the amount of information that is needed within the system. This would be DMV requirements and customer information for example. The system will need to be able to run on multiple browsers across many different devices. The system needs to be connected to the DMV database to search for updates. There will be tools for the admin to update customer information, download reports, and update packages as they change. There will be a verification system for each login whether it be the customer or admin to ensure security.