# 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

![Diagram

Description automatically generated]()

### UML Activity Diagrams

Diagram

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### Diagram Description automatically generated

### UML Sequence Diagram

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### UML Class Diagram

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## Technical Requirements

Foremost the system will need to be able to connect to the internet for needed updates. The system will need to be able to work on multiple platforms such as mobile and PC, while being able to run off of different OS’s. The system will also need a secure link to the DMV for whenever rules and policies change so that the information on site is correct. The system will need to allow for multiple users at a time and be ready for a sudden positive influx of users on the site. Staying with this the system will be running completely from the cloud as per requested from the owner of DriverPass. The owner would like to be able to access the site from any computer or mobile device to view and download documents. The IT manager will need to be able to access the system to do mandatory updates and service the system. The system should notify the IT manager of problems that occur in the system immediately so that they may be handled with haste. For the customer, the system should allow them to make unique usernames that only they have access to, including an account password for that username. Once entered the customer shall be allowed to choose the type of lesson package, car, and driver that the want. Once finished the customer will purchase the lessons by securely adding their card info and clicking the purchase button.