# 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

Description automatically generated

Diagram

Description automatically generated

### UML Sequence Diagram

Diagram

Description automatically generated

### UML Class Diagram

*Diagram

Description automatically generated*

## Technical Requirements

The DriverPass system has some technical requirements to fully function properly. The system will need to be developed for the web and for mobile services. The DriverPass system will require cloud services as well as a database. The database can be cloud-based or within a datacenter. The database is required due to storing information such as: login information, student information, testing and test scores, payment information, and driver appointment information. The DriverPass system will also need to encrypt data due to students entering in their card information when paying online for services. Different access levels to the system will be role-based. This will ensure that the system stays functioning as intended. The secretary will not have the same access as the IT Administrators for example.