# 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

*Chart, bubble chart

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

* Due to the requirement for an adaptable web application that can function in the device of a mobile browser, the app will need to be developed for both a computer operating system and for a mobile operating system
* The system will need a database to store data for customer information as well as testing questions, a lesson schedule, and driver note documents. This should be a cloud-based system so that it is as secure as possible and can add more storage when necessary.
* The system will require a dynamic permissions system so that administrators and other users do not have the same access.
* The system needs to have a secure authentication system for user logins.
* The system needs to have an automated notification system that will let instructors know when a customer has scheduled a lesson with them.