# 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 process

Description automatically generated

### UML Activity Diagrams

*[You were asked to choose* ***two*** *use cases and create* ***two*** *activity diagrams, one for each use case. Please insert* ***both*** *of your activity diagrams here. Check to make sure that you included appropriate components and symbols and that your design meets the client’s needs.]*

### UML Sequence Diagram

*[You were asked to create a sequence diagram based on* ***one*** *of the use cases you chose. Please insert your sequence diagram here. Check to make sure that you included appropriate components and symbols and that your design meets the client’s needs.]*

### UML Class Diagram

A diagram of a system

Description automatically generated

## Technical Requirements

* *The system should be platform-independent, accessible from any operating system or device with a compatible web browser.*
* *Backend requirements include a database system to store user information, appointment data, lesson schedules, and payment details.*
* The system should run in a web-based environment, ensuring accessibility from any device with an internet connection. Response times for user interactions should be within a reasonable range to provide a smooth user experience.
* System updates should occur regularly to make sure the latest DMV rules and regulations are captured.