# 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 DiagramA diagram of a session schedule Description automatically generated

### UML Activity Diagrams

A screenshot of a computer screen

Description automatically generated

### UML Sequence Diagram*A screenshot of a computer screen Description automatically generated*

### UML Class Diagram

A screenshot of a computer

Description automatically generated

## Technical Requirements

The system needs to run in a web based environment. It also needs to have fast upload speeds to ensure that user data isn’t being scraped by outside parties. There needs to be a well encrypted database attached server-side. Hosting needs to be done in a way that allows for an administrative backend, and the backend needs to be navigable not only by IT workers, but also by clerical employees such as receptionists. There needs to be a core UI that is visible in sessions accessed by students and drivers alike, but there needs to be different clearance levels for all three types of users (students, teachers, non-teacher employees)