# 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 driver pass

Description automatically generated

### UML Activity Diagrams

A screenshot of a computer

Description automatically generated

A diagram of a user login

Description automatically generated

### UML Sequence Diagram

A diagram of a course

Description automatically generated

### UML Class Diagram

A computer screen shot of a computer

Description automatically generated

## Technical Requirements

*[Based on the diagrams you have created, describe the technical requirements of your system. These requirements should address the required hardware, software, tools, and infrastructure necessary for your system design.]*

The system does not need to run on any specific hardware, since the desired storage of the system will be provided by a web server provider. The system will need to have the ability to communicate with different devices, and differing device Operating Systems, so there will be a need for an API or some similar function to translate between programming languages. There will need to be connectivity primarily for use within the client’s business operation, where there should be easy access to the system, and the ability to have multiple users connected at one time.