# 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 diagram

Description automatically generated

### UML Activity Diagrams

*A diagram of a user login

Description automatically generated*

### UML Sequence DiagramA diagram of a student Description automatically generated

### UML Class Diagram

A group of white boxes with text

Description automatically generated

## Technical Requirements

* *Cloud-based system to host the software*
* *Windows operating system*
* *SQL Server to ensure that we have a reliable and scalable database*
* *UI and UX capabilities*
* *APIs that meet industry standards*
* *Regular data backups to prevent data loss*