# 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 activity

Description automatically generated

### A diagram of a student payment Description automatically generated

### UML Sequence Diagram

A diagram of a diagram

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### UML Class Diagram

A diagram of a computer

Description automatically generated

## Technical Requirements

As far as technical requirements for our system to run flawlessly it requires various components. To begin we will need some server hardware that can handle our workload. We will have multiple students, admins and instructors accessing the database and updating values all across the board. For this we need to make sure we speak with our supplier and give them our estimated workload so they can situate us appropriately. Software we are able to run on windows or linux due to its immense availability for the masses. Some infrastructure we will need is remote server access for administrative purposes if we need to fix things on the fly or if we are not at the main server location.