# 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 person's life cycle

Description automatically generated*

### UML Activity Diagrams

*A diagram of a flowchart

Description automatically generatedA diagram of a test

Description automatically generated*

### UML Sequence Diagram

*A screenshot of a computer

Description automatically generated*

### UML Class Diagram

*A diagram of a student

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## 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.]*

**Hardware**

* Computers for each staff
* Networking
* Routers
* Graphic cards

**Software**

* Windows operating system, most up to date version
* Needs the latest security software.
* The system must be able to check out purchases from students.

**Tools**

* An office is needed for the staff to meet.
* A parking lot is needed to park the instructor cars.
* The staffs’ personal computers
* Cars for student drivers and Instructors to gain road practice.

Infrastructure

* Server
* Management systems
* Continuous deployment