# CS 255 System Design Document

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 company

Description automatically generated*

### UML Activity Diagrams

*A flowchart of a system

Description automatically generatedA diagram of a login

Description automatically generated*

### UML Sequence Diagram

*A diagram of a customer service

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### UML Class Diagram

A diagram of a computer

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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:

* Firewall for website port security
* Dedicated server
* Website and database storage
* Internet connection
* A device for users to access the site(mobile phones or computers)

Software:

* Security software against malicious software or attacks
* Stable and latest release of SQL server(database)
* Backup software of website and database
* Stable and latest release of Windows server
* Reliable web server

Geographic Information:

* The website and database’s server is secured in a data center
* There must be accessibility to website within the United States
* Server should be in a central location.