# 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 connection

Description automatically generated

### UML Activity Diagrams

*A diagram of a computer program

Description automatically generated with medium confidence*

*A diagram of a question

Description automatically generated*

### UML Sequence Diagram

A diagram of a workflow

Description automatically generated

### UML Class Diagram

*A diagram of a computer

Description automatically generated*

## Technical Requirements

1. Hardware Requirements

* Server: RAM, CPU, storage (or cloud-based hosting)
* User Devices: Modern desktops, laptops, tablets, and smartphones. Anything with Web access.

2. Software Requirements

* Operating System to run on
* Web Server
* Database
* Application Framework
* Security: SSL/TLS certificates for HTTPS

3. Tools

* Development Tools
* Testing Tools
* Project Management Tool

4. Infrastructure

* Cloud Service provider to host with
* Payment Processor