# 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 flowchart

Description automatically generated

### UML Activity Diagrams

*A diagram of a diagram

Description automatically generated with medium confidence*

### UML Sequence Diagram

A diagram of a process

Description automatically generated

### UML Class Diagram

A diagram with text and images

Description automatically generated with medium confidence

## 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.*

The system design will need

* Hardware
  + A device that can connect online
  + A server to store data
  + Internet Connectivity
* Software
  + Security Firewall and framework
  + Cloud based database server
  + Web-based system
* Infrastructure
  + Web-based infrastructure
  + Cloud Database
  + Server