# 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

Diagram

Description automatically generated

### UML Activity Diagrams

Diagram

Description automatically generated

Diagram

Description automatically generated

### UML Sequence Diagram

Diagram, table

Description automatically generated

### UML Class Diagram

Diagram

Description automatically generated

## Technical Requirements

The system will need to authenticate and authorize when a user logs into the system. The system needs to run on the cloud, so it is accessible online and offline. A database tool will be used for encryption and security connects for when the user inputs credit card information. Another requirement is privacy such as certain employees have access to certain information. The system needs to be reliable because customers will be taking online classes/test and employees will be using this every day. The system will need a large storage space because we will be storing customer information as well as test information.