# 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 picture containing diagram

Description automatically generated

### UML Activity Diagrams

A screenshot of a computer

Description automatically generated with medium confidence

A screenshot of a computer

Description automatically generated with medium confidence

### UML Sequence Diagram

*Diagram

Description automatically generated*

### UML Class Diagram

A picture containing timeline

Description automatically generated

## Technical Requirements

*Students will need access to at minimum a smartphone and internet connection. The system will need to be installed on a cloud server per customers request that runs application software. Will need backend logs, payment database and login credentials stored separately. Office must have internet connection and windows-based computers to run software. Secretary must have terminal with access to application, to make changes, phone is not integrated into system. IT or Admin will have to setup employee accounts. Since application is to be cloud based it should still be accessible even if office location has no power through mobile network. Server should respond to request in less than 3 seconds. Student will require access to desktop or laptop to use tests features. Internet connection for Student must be 3mb per seconds or greater for service to function properly.*