# 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 Diagrams

A diagram of a user flow

Description automatically generated

### UML Activity Diagrams

A screenshot of a diagram

Description automatically generated

A screenshot of a computer

Description automatically generated

### UML Sequence Diagram

A diagram of a software project

Description automatically generated

### UML Class Diagram

A diagram of a computer

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## Technical Requirements

Based on the needs of the client and the requirements of the application the following will need to apply.

* APIs that apply RESTful standards.
* Current secure coding standards i.e. HTTPS and data encryption
* Scalable architecture
* Must be compatible with ios or android mobile
* Role-based privileges based on need of the user
* Web server that is compatible with all major browsers