# 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, schematic

Description automatically generated

### UML Activity Diagrams

Diagram

Description automatically generated

### Diagram Description automatically generated

### UML Sequence Diagram

*[You were asked to create a sequence diagram based on* ***one*** *of the use cases you chose. Please insert your sequence diagram here. Check to make sure that you included appropriate components and symbols and that your design meets the client’s needs.]*

### Diagram Description automatically generated

### UML Class Diagram

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## Technical Requirements

* The system should primarily run on all desktops such as Safari, Chrome, & IE.
* Responsive for all mobile devices.
* The backend should have a database that can manage and store all user information.
* The system we build should be web based.
* The system should have quick load times between two and five seconds.
* The system should be updated frequently with little to no downtime in between updates.
* The system should be able to process payments.
* The system should be able to track and modify appointments.