# 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

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### UML Activity Diagrams

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### UML Sequence Diagram

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### UML Class Diagram

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## Technical Requirements

The web-based system ought to be accessible without any additional software installation by the end user and require secure login procedures for authentication that restrict access only to authorized personnel. With an expandable database of inquiries available by addition, edition or removal options, it should also feature a testing engine that randomly selects questions from the question bank and grades user-responses; accordingly, quickly dispatching feedback post completion of each- conveying whether the response was correct or not. The system should remain universal allowing customization accommodating individuals with special needs such as those who are visually challenged and/or have mobility compromises. Examining user performance expositions is made easier through auto-generated reports containing pivotal aspects like conceptual scores achieved plus areas requesting attention while being compatible with multiple devices coupled with varied operating systems accentuating utility privileges thereby impinging accessibility regardless of distinct situations plaguing operative experiences. Capacity for supporting numerous users under high traffic workload volumes peaks among scalability mandates.