# CS 255 System Design Document

## UML Diagrams

### UML Use Case Diagram

*A diagram of people with blue circles and text

AI-generated content may be incorrect.*

### UML Activity Diagrams

A screenshot of a video game

AI-generated content may be incorrect.

A diagram of a software company

AI-generated content may be incorrect.

### 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.]*

### UML Class Diagram

*[You were asked to create a class diagram based on the different classes and attributes needed for your system design. You are* ***not*** *required to include methods, but you may if you wish. Please insert your class diagram here. Check to make sure that you included appropriate components and symbols and that your design meets the client’s requirements.]*

## Technical Requirements

**Hardware Requirements:**

* High-performance server
* Stable internet connectivity
* Sufficient storage for data
* User devices for system access
* Security firewall

**Software Requirements:**

* Stable server OS
* Robust database management system
* Data backup solutions
* Web server software
* Anti-malware protection

**Geographic Considerations:**

* Access optimized for US users
* Data center hosting
* Server location for best performance