# 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, circle, line, pattern

Description automatically generated

### UML Activity Diagrams

A picture containing diagram, plan, design

Description automatically generated

A picture containing diagram, screenshot, line, plan

Description automatically generated

### UML Sequence Diagram

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### UML Class Diagram

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## Technical Requirements

* Hardware
  + Dedicated Server
  + Internet connection
  + Storage for database and website data
  + Computer or mobile device for user to access website
  + A firewall to protect website ports
* Software
  + Windows Server (recommended), most stable release
  + SQL Server for database (recommended), most stable release
  + Backup software for website and database
  + A web server like Apache
  + Security software to prevent malware
* Geographic Information
  + Website should be accessible in America
  + Server for website and database is secured in data center
  + Server should be in a central location