# CS 255 System Design Document Template – Kyle Conley

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, bubble chart

Description automatically generated

### UML Activity Diagrams

*Diagram

Description automatically generated* Diagram

Description automatically generated

### UML Sequence Diagram

*Chart, box and whisker chart

Description automatically generated*

### UML Class Diagram

*Diagram

Description automatically generated*

## Technical Requirements

*Hardware:*

* *Internet connection*
* *Power source*
* *Cloud server*
* *Cloud storage*
* *Keyboard/Screen*
* *Computer/Laptop/Mobile device*

*Software:*

* *Cloud database management*
* *Compatible operating system/browser (Windows, Linux, Mac)*
* *Compatible programming language (C++)*

*Tools:*

* *Compatible IDE (Visual Studio)*
* *Cloud management services*

*Infrastructure:*

* *Cloud infrastructure for security, database management, tracking*