# 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

Description automatically generated

### UML Activity Diagrams

Diagram, schematic

Description automatically generated

Diagram

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### UML Sequence Diagram

Diagram

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### UML Class Diagram

Diagram

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## Technical Requirements

The Host hardware requirements include a physical server, networking cables, a monitor, keyboard, and mouse for interaction, power sources, and an internet provider. On the other hand, the Client hardware requirements include a desktop or laptop computer, Wi-Fi Router or ethernet cable for networking, power sources, and an internet provider.

For the Host software requirements, the system needs a Windows Server operating system, DriverPass software, Docker software to control VM traffic, and security software for protecting sensitive information from hacking. Meanwhile, the Client software requirements include a web browser application (Firefox, Chrome, etc.), an operating system (Mac, Linux, Windows, etc.), and security software for protecting sensitive information.

Tools required for development include computers with programming software such as Visual Studio, Eclipse, and an internet connection for server upload. Additionally, network admin tools are necessary for monitoring suspicious traffic.

Lastly, the infrastructure required is a server location or cloud provider to store and manage the system's data and processes.