# 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 diagram of a network

Description automatically generated*

### UML Activity Diagrams

*A screenshot of a computer flowchart

Description automatically generated*

*A diagram of a company

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### UML Sequence Diagram

*A diagram of a diagram

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### UML Class Diagram

*A close-up of a white board

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## Technical Requirements

**Client**

**Hardware:**

* Server
* Monitor
* Keyboard
* Mouse
* Internet connection
* UPS
* Firewall

**Software:**

* Server operating system (ie. Windows Server)
* DriverPass software
* Security software

**Customer**

**Hardware:**

* Computer
  + Desktop
    - Monitor
    - Keyboard
    - Mouse
  + Laptop
* Internet connection

**Software:**

* Operating system
  + Windows
  + Linux
  + Mac
* Web browser
  + Firefox
  + Chrome
  + Edge

**Tools and Infrastructure**

* Computer
* Programming software (ie. Visual Studio)
* Internet connection
* Network administrator tools to monitor web traffic
* Server location (Cloud Based)
* Credit card processing company contract