# CS 255 System Design Document Template

## UML Diagrams

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December 9, 2023

CS255

### UML Use Case Diagram

A diagram of a user flow

Description automatically generated with medium confidence

### UML Activity Diagrams

### A diagram of a user account Description automatically generated

### UML Sequence Diagram

A diagram of a company

Description automatically generated

### UML Class Diagram

*A diagram of a computer flowchart

Description automatically generated*

## Technical Requirements

HOST:

Hardware Requirements:

1. Internet Provider
2. No less than one Physical Server
3. Power Sources
4. Networking Cables
5. Up to date Computer Systems
6. Monitors
7. Keyboards
8. Wired or Wireless Mouse

Software Requirements:

1. Windows OS at least 10 and above
2. DriverPass Software
3. Security Software
4. Software for VM Traffic

Infrastructure Requirements:

1. Secure Server Location
2. Cloud Service

Tools:

1. Computer with updated systems and power to program using software such as Eclipse, Java, VS.
2. Internet Connection
3. Admin tools
4. Security tools (i.e. software)

Client:

Hardware Requirements:

1. Personal Computer either Desktop or Laptop
2. Wi-fi 2.4 or 5 or Wired Connection
3. Power Sources
4. Internet Provider
5. Internal Storage of at least 1 250 MB for study tools download
6. Ram of at least 8 GB

Software Requirements:

1. Windows 10 or above OS or Latest Apple OS
2. Web browser Application (Safari, Chrome, FireFox, Opera, Etc…)
3. Internal Storage of at least 1 250 MB for study tools download
4. Security software, such as Norton anti virus for protection of sensitive information