# CS 255 System Design Document

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Class: CS-255

DATE: December 15, 2024

## UML Diagrams

### UML Use Case Diagram

A diagram of a computer system

Description automatically generated

### UML Activity Diagrams

A diagram of a secret service

Description automatically generated

A diagram of a login

Description automatically generated

### UML Sequence Diagram

A diagram of a flowchart

Description automatically generated

### UML Class Diagram

A diagram of a customer service

Description automatically generated

## Technical Requirements

A single provider's two distinct web-hosted servers would be the system's suggested technical prerequisite. Users can login to the system via a publicly accessible website hosted on a single server. The database ,which will house all of the system's data and be only accessible from the first server, will be hosted on the second server. Because unauthorized access to the data base will be prevented, the system will have increased security. Linux is the operating system I advise using on both servers in order to minimize overhead resource requirements and licensing expenses. Due to its free licensing, I suggest A pache for the web server application. MySQL is my choice for the data base application because, once more, there are no licensing fees involved.