# CS 255 System Design Document – Anthony Mink

## UML Diagrams

### UML Use Case Diagram

*Diagram

Description automatically generated*

### UML Activity Diagrams

*Diagram

Description automatically generatedDiagram

Description automatically generated*

### UML Sequence Diagram

*Diagram

Description automatically generated*

### UML Class Diagram

*Diagram, schematic

Description automatically generated*

## Technical Requirements

**Hardware for Client**

* Minimum one physical server
* Cables for network server and equipment
* Full desktop with accessories
* Reliable power sources
* Internet provider

**Hardware for Customers/Users**

* Desktop or laptop
* Internet access: Wi-Fi
* Power sources

**Software for Client**

* Windows operating system
* DriverPass created software
* Docker software for controlling VM traffic
* Security software to protect sensitive information
* Third party cloud software

**Software for Customer/Users**

* Web browser application (Chrome, Edge, Safari)
* Compatible operating system (Mac, Window, Linux)
* Security software for web browser to protect sensitive information

**Tools Required for Development**

* Computers with programming software
* Internet connection for server downloads/uploads
* Network IT tools for incident response and potential malicious activity

**Infrastructure Required**

* Server location
* Cloud provider
* IT, admin, and instructor employees