# CS 255 System Design Document

## UML Diagrams

### UML Use Case Diagram

Diagram

Description automatically generated

### UML Activity Diagrams

Diagram

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Diagram

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### UML Sequence Diagram

Diagram

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### UML Class Diagram

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## Technical Requirements

The systems should all require user permission, login requests, validating payments, password reset requests, validating user requests, and the ability to disable packages.

The Hardware Requirements for the Host:

-Power Sources

-Physical Server

-Internet provider

-Networking cables for the equipment and server

-Keyboard, mouse, and monitor for interactions

The Hardware Requirements for the Client:

-Power Sources

-Internet provider

-Laptop or Desktop computer

-Ethernet cable or WiFi router for networking

The Software Requirements for the Host:

-DriverPass Software

-Security Software for protecting information from hackers

-Windows Server operating system

-Docker Software for VM traffic

The Softwares Requirements for the Client:

-Security Software for protecting information

-Web browser applications

- Operating Systems

The Tools Required for Development:

-Network admin tool for monitoring any suspicious traffic

-Computers with programming software

-Internet connection for server uploads

Infrastructures Required:

-Cloud provider or server location