# CS 255 System Design Document

## UML Diagrams

### UML Use Case Diagram

A diagram of a bank

Description automatically generated

### UML Activity Diagrams

*A diagram of a computer program

Description automatically generated*

*A diagram of a flowchart

Description automatically generated*

### UML Sequence Diagram

*A diagram of a user account

Description automatically generated*

## Technical Requirements

Hardware needs for hosting include a physical server, networking cables, a monitor, keyboard, and mouse, power sources, and an internet connection. Clients require a computer, networking tools like Wi-Fi or ethernet, power sources, and internet access.

Software requirements for hosting involve a Windows Server operating system, DriverPass Software, Docker for managing VM traffic, and security software. Clients need a web browser, an operating system, and security software.

Development tools include computers with programming software, internet access for server uploads, and network admin tools for monitoring suspicious traffic.

Infrastructure requires a server location or cloud provider.