# CS 255 System Design Document

## UML Diagrams

### UML Use Case Diagram

A diagram of a person's work flow

Description automatically generated

### UML Activity Diagrams

*A diagram of a software system

Description automatically generated*A diagram of a flowchart

Description automatically generated

### UML Sequence Diagram

*A diagram of a process

Description automatically generated*

### UML Class Diagram

*A diagram of a server

Description automatically generated*

## Technical Requirements

The system is going to require a server infrastructure to host the software components, databases, and web services. The system is also going to require some storage solutions to store customer data, product information, orders, and transaction records. The system requires an operating system that is capable of supporting the application and a programming language needs to be determined based on preference and requirements. Security measures need to be put in place such as firewalls, detection systems, and encryption software.