# CS 255 System Design Document

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## UML Diagrams

### UML Use Case Diagram

A diagram of a company

Description automatically generated

### UML Activity Diagrams

A diagram of a computer program

Description automatically generated

A diagram of a payment method

Description automatically generated

### UML Sequence Diagram

*A diagram of a product

Description automatically generated*

### UML Class Diagram

A screenshot of a cell phone

Description automatically generated

## Technical Requirements

* Hardware
  + Dedicated Server
  + Reliable Internet connection
  + Storage for database and website data
  + Computer or mobile device for user to access website
  + Implementation of a firewall to safeguard website ports
* Software
  + Windows Server (recommended) for stability
  + SQL Server for database (recommended) for datbase
  + Backup software for website and database
  + A web server like Apache
  + Security software to prevent malware
* Geographic Information
  + Website should be accessible in America
  + Server for website and database is secured in data center
  + Server should be in a central location