# CS 255 System Design Document

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C255 System Analysis and Design – Eppenger

2/19/2023

## UML Diagrams

### UML Use Case Diagram

Diagram

Description automatically generated

### UML Activity Diagrams

Diagram

Description automatically generated

### Diagram Description automatically generated

### UML Sequence Diagram

Diagram

Description automatically generated

### UML Class Diagram

Diagram

Description automatically generated

## Technical Requirements

* **Hardware**
  + A dedicated server for control over the site
  + Stable internet connection
  + Computer(s)/Mobile devices for the user to access the site
  + Firewall protection for website ports
  + Storage for data
* **Software**
  + SQL Server for database
  + OS Server
  + Web server
  + Security for malware protection
* **Infrastructure**
  + The site should be accessible in the U.S.
  + Website/Database server should be secured within the data center
  + Website/Database server should be in a central location