# CS 255 System Design Document

## UML Diagrams

### UML Use Case Diagram

Diagram, schematic

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

This is going to be a web-based system. It will require a cloud server that gives access to a database that stores user and system data. The system should be able to be run on all common browsers like chrome, safari, Firefox, Microsoft edge, and any other modern browsers. The system should be accessible on all modern devices, such as mobile and desktop. The user interface should translate to mobile smoothly. Industry best standards should be implemented in all phases of development and testing to ensure proper security, usability, and longevity of the system.