# CS 255 System Design Document

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### 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

The system has some technical requirements. We need to develop the system for the web in the cloud. Cloud is recommended to save data and to easy maintenance. The data is transferred to the system from the users to be secured by using encryption and internet protection. User authentication should be added to the system, such as OTP, fingerprint, or facial detection. Other software is recommended to create an advanced website, such as JavaScript (vue.js or react). Net, C# and restful API with spring boot. Role bases access should be created to make changes in the portal manually.