# CS 255 System Design Document

## UML Diagrams

### UML Use Case Diagram

Diagram

Description automatically generated

### UML Activity Diagrams

Diagram

Description automatically generated

### UML Sequence Diagram

Diagram

Description automatically generated

### UML Class Diagram

Diagram

Description automatically generated

## Technical Requirements

The system will have a few technical requirements. First, we will need to design and develop the system so that is compatible with a variety of platforms including mobile applications. We will use a cloud-based system for the ease of security. The database should be cloud-based as well for better performance for data recall. Security is key so we need to ensure user account information has a separate database and can -be stored on the cloud as well. For updates and maintenance, role-based assess will need to be implemented for security control.