# CS 255 System Design Document Template

## UML Diagrams

### UML Use Case Diagram

*A diagram of a diagram

Description automatically generated*

### UML Activity Diagrams

A diagram of email address

Description automatically generated

A diagram of a software process

Description automatically generated

### UML Password Reset Sequence Diagram

A diagram of a user flow

Description automatically generated

### UML Class Diagram

A diagram of a computer

Description automatically generated

## Technical Requirements

*The system requires several technical specifications, including web development using cloud technology and a mobile application for the owner to manage data remotely. A storage solution, either via cloud services or a traditional data center, is essential for maintaining user credentials and other critical data. To safeguard the integrity and confidentiality of data exchanges between users and the system, SSL encryption is mandatory. Cloud-based solutions are preferred for their ability to rapidly refresh data, which is beneficial for updating the training schedule and monitoring user progress in training. Additionally, the system must incorporate access controls based on user roles, enabling different levels of functionality for owners, IT staff, employees, and customers.*