# CS 255 System Design Document Template

## 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, engineering drawing

Description automatically generated

### UML Class Diagram

Diagram

Description automatically generated

## Technical Requirements

We must utilize the cloud in order to create the system for the web as well as a mobile version for gaining access to data downloaded for the owner. We require a database, either a data center or the cloud, to save login data and any other important data. When transferring data between the system and user, we have to encrypt the data through SSL in order to make sure that data is safe and secure. Using a cloud-based platform lets updating information much quicker, like the tracker for client’s progress in training or a training calendar for booking appointments. In addition, role-based security must be executed since the client isn’t able to do what the owner can do, secretary is able to do what the IT officer can do, etc.