Joaquin Esguerra Jr.

Instructor Aline

CS 255 System Analysis and Design

Project Two: System Design Document

December 11, 2022

# CS 255 System Design Document Template

This template lays out all the different sections that you need to complete for Project Two. Each section has guidance to prompt your thinking. You will need to continually reference the interview transcript as you work to make sure that you are addressing your client’s needs. There is no required length for the final document. Instead the goal is to complete each section based on what your client’s needs are. Remove this note when you are finished, and replace all bracketed text with the relevant information.

## UML Diagrams

### UML Use Case Diagram



### UML Activity Diagrams

**

**

### UML Sequence Diagram

EMAIL VERIFIED

REQUEST USERNAME

DATABASE

UI

USER

USERNAME VERIFIED

ENTER USERNAME

VALID USERNAME

REQUEST EMAIL

ENTER EMAIL

VALID EMAIL

REQUEST USER TO CHECK EMAIL

USER SELECTS LINK

REQUEST NEW PASSWORD

PASSWORD VERIFIED

ENTER NEW PASSWORD

RESET PASSWORD

UPDATED VALID PASSWORD

### UML Class Diagram

## 

## Technical Requirements

The system presented here today has some technical requirements we will discuss. Developed for the internet, the system will primarily use the cloud, along with an available mobile application for owners to access data from anywhere internet is available. A database will be required to store data either at a structured center or via the cloud. The database will be used to store secure information such has user identification. When thinking about security and transmitting secure information or data, SSL encryption will be required for the security of those transfers. A cloud-based platform will allow for timely updates when scheduling appointments or updating training progress. User access will need to be based on roles, so that each specific user has access to functions they will need and not have access to things they won’t. For example, customer and Admin support will need to have different access within the system.