# Clay Nottingham

# 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

A diagram of a driver pass

Description automatically generated

UML Activity Diagrams

### A diagram of a student to verify login Description automatically generated

### A diagram of a company Description automatically generated

### UML Sequence Diagram

A diagram of a course

Description automatically generated

### UML Class Diagram

### A diagram of a computer Description automatically generated

## Technical Requirements

In order for DriverPass to be a successful program it will have to be compatible with various platforms such as Windows, iOS, and Linux and must be able to be accessed on both computers and mobile devices. Considering this will be an online course, the user will have to have a reliable internet connection. Should difficulties such as the user forget or incorrectly input their password and exceed the limit, the administrator will verify the users account and have the user reset the password. Security will be a priority due to both financial and personal private information being at stake so the user will be given encryption methods such as passwords having a minimum requirement of both capital and lowercase letters, a number, and a special character as well as two-factor authentication.