# 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

Diagram

Description automatically generated with medium confidence

### UML Activity Diagrams

Graphical user interface

Description automatically generated

A picture containing text, electronics, screenshot

Description automatically generated

### UML Sequence Diagram

Graphical user interface, diagram

Description automatically generated

### UML Class Diagram

Timeline

Description automatically generated

## Technical Requirements

At the most basic level, DriverPass will be a web-based service run on a cloud SAAS platform. The site owners desire to leave the security and mechanics of the code left to a third party to maintain, that way they can focus on the product. The two best options are Microsoft Azure and Amazon Web Services. When choosing a plan, it is the firm’s suggestion to choose one that can stretch and grow as the website grows. Allowing for additional bandwidth and storage in the future.

To reach the maximum number of users the site needs to be accessible on various web browsers, Safari, Firefox, Edge, and Chrome. Also, there should be two different versions, a mobile friendly and more broadly featured desktop version. The mobile version will allow users to change registrations on the go, confirm appointment, and handle payments. The desktop version can provide additional features like practice testing and give administrators more access to various features and rights.