# 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 person's process

Description automatically generated

### UML Activity Diagrams

*A diagram of a car

Description automatically generatedA diagram of a card

Description automatically generated*

### UML Sequence Diagram

*A diagram of a customer service

Description automatically generated*

### UML Class Diagram

*A diagram of a company

Description automatically generated*

## Technical Requirements

As a smaller business with growth potential, it is advisable to adopt a cloud-based server due to its affordability and ability to scale with demand. All administrative staff should be equipped with computers, ideally running the Windows operating system, to efficiently access and manage the system. An automated backup solution should be implemented to protect sensitive data, including customer and administrative records, alongside security software to safeguard against malware and viruses. A stable and reliable internet connection is essential for administrative personnel to stay updated on changes related to schedules, bookings, or DMV-issued policies. Additionally, DriverPass’ web portal should be compatible with widely used platforms such as macOS, Windows, iOS, and Android to ensure accessibility for a broad customer base and the ability to access their accounts anywhere.