# 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 DiagramDiagram Description automatically generated

### UML Activity Diagrams

Diagram

Description automatically generated

Diagram

Description automatically generated

### UML Sequence Diagram

Diagram

Description automatically generated

### UML Class Diagram

Diagram

Description automatically generated

## Technical Requirements

**Hardware requirements:**

Power: Surge protectors

Attachments: Monitors, keyboard, mouse [stationary access]

Connectivity: Ethernet cable [hardwired] and Internet modem/router [wireless]

Physical: Desktop with sufficient hard drive/memory[stationary access] and Laptop, mobile phone with sufficient hard drive/memory [remote access]

**Software requirements:**

Anti-virus software [security]

DriverPass application [computer and mobile device]

Server based applications [administrator access]

Web browser program [if not using desktop/mobile interface]

Programming software for DriverPass and Cloud development software

[developer]

**Tools requirements:**

A computer or computers setup as home server with programming software

Consistent server upload internet connection

Network administrator tools for system monitoring and alert tracking

**Infrastructure requirements:**

Building power source

Building internet source

Parking lot for drivers and administrators

Lot for driving school students

Trademarks and licensing for company and application

Credit card processing system

Server/Mainframe location