# 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 computer

Description automatically generated

### A screenshot of a computer screen Description automatically generatedUML Activity Diagrams

A diagram of a flowchart

Description automatically generated

### UML Sequence Diagram

A screenshot of a computer

Description automatically generated

### UML Class Diagram

A diagram of a company

Description automatically generated

## Technical Requirements

**Hardware:**

For the system to work smoothly and securely, it must have robust servers that store, retrieve, and process data. Furthermore, the system must be accessible from any computer or mobile device.

**Software:**

The system will need a web-based platform that's easy to use and can be accessed from mobile devices and computers. Any operating system will work with the system, so you don't have to worry about your computer type. Security tools will also be needed to ensure your connection and information are safe.

**Tools:**

It's important to know who's logging in and who can do what in the company. In addition, users can book, change, or cancel driving lessons and keep track of them. All this information needs to be organized in a suitable database system so it's easy to find.

**Infrastructure:**

The system will require internet access for everyone to use, and it'll need security measures to deal with any attempts to get in. Users can't forget their passwords so they can get help if they forget them. As well as growing and changing, the system needs to keep up with platform updates, such as adding or removing user accounts without changing the system's code.