# CS 255 System Design Document

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



### UML Activity Diagrams

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### UML Sequence Diagram

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### UML Class Diagram

*A screenshot of a computer flowchart

Description automatically generated with low confidence*

## Technical Requirements

The technical requirements for the system laid out in the diagrams above are simple and straight forward. One of the bigger things needed is a database in order to save information for the different kinds of users. All users will have a username and password as well as an email that will need to be recorded. Users and drivers will both need to be able to create and save dates for driving practice. Users will also need to be able to access practice tests and then have their scores saved so that they can go back through previous tests in order to learn from their previous attempts. The infrastructure will need some sort of server to support it. I would recommend a cloud-based server instead of investing in a physical server. For this system, a cloud-based server would provide more than enough support for the structure while being much more affordable than building a physical server.