# 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 car driving instruction

Description automatically generated

### UML Activity Diagrams

*A diagram of a software company

Description automatically generated*

A diagram of a process

Description automatically generated

### UML Sequence Diagram

*A diagram of a project

Description automatically generated*

### UML Class Diagram

*A diagram of a computer code

Description automatically generated with medium confidence*

## Technical Requirements

*The system shall cater to various aspects of driver training, offering online classes and practice tests to enhance learners' skills. It will enable users to engage in on-the-road training sessions while seamlessly tracking their activities, including reservations, modifications, and cancellations. Additionally, the system will support the customization of training packages to meet individual needs and ensure compliance with DMV requirements, fostering a comprehensive and regulatory-compliant learning environment.*

*Operating within a cloud-based environment, the system will prioritize security and reliability, handling backup processes proficiently to minimize technical disruptions and data loss. Users will have the flexibility to download reports and data for offline use, ensuring accessibility and convenience. Furthermore, the system will provide comprehensive progress tracking, displaying test progress and overall activity, empowering users to monitor their learning journey effectively and make informed decisions to optimize their training experience.*