# 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 driver pass

AI-generated content may be incorrect.

### UML Activity Diagrams

A screenshot of a flowchart

AI-generated content may be incorrect.

A screenshot of a diagram

AI-generated content may be incorrect.

### UML Sequence Diagram

A diagram of a software company

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### UML Class Diagram

A diagram of a computer

AI-generated content may be incorrect.

## Technical Requirements

The system requires a cloud-hosted, web-based infrastructure that is secure and scalable. It will also need to be accessible from any device and feature reliable internet. It needs reliable hardware with good processing, memory, and fast storage. It will need to be supported by a relational database and have secure API integrations for payment processing. It also will need SSL encryption to ensure reliability and security. Role-based access will also need to be implemented as the admin / owner etc. will have the ability to do different things and have control in different areas.