# 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 system

Description automatically generated*

### UML Activity Diagrams

*A diagram of a payment method

Description automatically generated*

A diagram of a process

Description automatically generated

### UML Sequence Diagram

*A diagram of a diagram

Description automatically generated*

### UML Class Diagram

A screenshot of a cell phone

Description automatically generated

## Technical Requirements

First, the client would need a host machine to run the backend database and web interface. This would require a constant internet connection to be able to connect at any time. Next, they would need to implement a payment processing service. Customers could login to pay their bill remotely. For the employees to have access to the system, the office would need a computer that can access the interface. Finally, the system would need to incorporate a payment processing service to ensure all customer payments are received and verified.