# 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 computer program

Description automatically generated

A diagram of a computer program

Description automatically generated

### UML Sequence Diagram

*A diagram of a software system

Description automatically generated*

### UML Class Diagram

*A diagram of a computer

Description automatically generated*

## Technical Requirements

*There will be a number of technical requirements that will need to be addressed in order to make the system for DriverPass function properly. The system will require the use of cloud resources. This is going to be for both the storage and site hosting. Web servers will be required to host the system interface. Security controls will be required to be setup in the cloud to protect the cloud system. A site interface will need to be written in Python, Javascript, NodeJS and HTML5. On-prem hardware can be utilized but would cause latency on the system’s performance.*