# 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

Diagram

Description automatically generated

### UML Activity Diagrams Diagram Description automatically generated

Diagram

Description automatically generated

### UML Sequence Diagram

A picture containing diagram

Description automatically generated

### UML Class Diagram

A picture containing timeline

Description automatically generated

## Technical Requirements

The DriverPass system is a web application that will be deployed to a cloud platform that will be written in HTML, CSS & JavaScript. It will use an API to send and receive data, the API will also be deployed to a cloud platform and will be written in Python. The decision hasn’t been made yet, but the API may be implemented as a FaaS, the database containing all the records will be a cloud database and authentication will be hosted by a 3rd party Oauth2 provider, this depends on the cloud platform selected.