# CS 255 System Design Document Template

This template lays out all the sections 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 ensure 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 screenshot of a diagram

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### UML Sequence Diagram

A diagram of a payment process

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### UML Class Diagram

A diagram of a service

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## Technical Requirements

The DriverPass application will necessitate a dependable hosting service to effectively support the web application while enabling users to access it through their web browsers. Outsourcing hosting services to a third-party provider is advisable, relieving DriverPass of the responsibilities associated with server maintenance and related operational tasks.

In addition, it will be imperative to connect a comprehensive database to the application to manage customer information and account details and implement an authentication service to ensure secure user logins. Furthermore, the application must interface with an external payment service to facilitate customer transactions. Access to the DMV will also be crucial for maintaining up-to-date information regarding laws and driver’s requirements.