# 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

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### UML Activity Diagrams



### UML Sequence Diagram

### UML Class Diagram

## Technical Requirements

The DriverPass system most effectively functions through a web-based application, presenting the same opportunity for users across different operating systems. To take advantage of this model, we must use a cloud-based server and database to facilitate the system’s needs. Both the server and database may be run through a service like AWS. Allowing consistency between the two components may mitigate potential roadblocks and condense our external dependencies to a single company in case of outages.

Implementing a cloud-based database allows us to store and manipulate user information readily available across all instances of the system. Utilizing a service like AWS also allows us to scale our needed storage off what we are using, instead of paying for excess storage. There are competitors available worth looking into, but the model should remain similar for our system.