# 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

AI-generated content may be incorrect.*

### UML Activity Diagrams

A diagram of a customer

AI-generated content may be incorrect.

A diagram of a driverpass

AI-generated content may be incorrect.

### UML Sequence Diagram

A diagram of a driver pass

AI-generated content may be incorrect.

### UML Class Diagram

A diagram of a driver pass

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## Technical Requirements

Based on the diagrams I have conjured, it would be beneficial to use a cloud-based server to help not overspending on any other type of server to host all the potential customers that need driving instructions.

Security-wise, I believe that two things must be imposed on the system to tighten data security around the server: a firewall and two-factor authentication. With these two methods of security in place, a firewall can help keep any malicious viruses out of the DriverPass server. The two-factor authentication is just the extra step to making sure it’s the right person that has access to that account and has not been hacked.

Since the DriverPass system is expanding to more than one platform, it would be in the best interest to expand to Windows, Mobile, MacOS, and any other most used operating systems to accommodate vast number of customers with various OS at their disposal.