# 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 diagram

AI-generated content may be incorrect.*

### UML Activity Diagrams

*A screenshot of a computer

AI-generated content may be incorrect.*

A screenshot of a computer

AI-generated content may be incorrect.

### UML Sequence Diagram

*A diagram of a company

AI-generated content may be incorrect.*

### UML Class Diagram

*A diagram of a computer

AI-generated content may be incorrect.*

## Technical Requirements

Based on the diagrams, the DriverPass system will require multiple technical requirements to include software, hardware, and infrastructure parts. For the software technical requirements, it was made clear that it must be accessible through more than one interface. Customers will need to be able to access the program using different cellular devices, as well as different computers. Due to the cross-platform necessity, multiple languages and management systems must be utilized. For the hardware component, it is assumed that customers have the requirements necessary to access the DriverPass application. With that in mind, cloud-based servers will be needed to support the amount of customers. The cloud will be used as the server and for storage capabilities. The infrastructure requirement will put all of this into place. The cloud will be the main body that requires a backup/disaster recovery. There also needs to be security measures implemented to protect the customers’ personal information which includes payments and bank information.