# 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

### A screenshot of a computer screen AI-generated content may be incorrect.UML Use Case Diagram

### UML Activity Diagrams

### A diagram of a customer service AI-generated content may be incorrect.

A diagram of a system

AI-generated content may be incorrect.

### UML Sequence Diagram

*A diagram of a system

AI-generated content may be incorrect.*

### UML Class Diagram

A diagram of a software company

AI-generated content may be incorrect.

## Technical Requirements

Based on the diagrams above there are many technical requirements associated with DriverPass. First the hardware requirements are relatively basic, meaning any standard desktop computer or mobile device with internet will meet the requirements for the application. Next there are some software requirements for this system. DriverPass is a web-based application accessible through a cloud meaning the hardware requirements include a web browser such as Chrome, Firefox or Safari and cloud-based databases such as MySQL or PostgreSQL. It is also important that there is a secure web server. It is important to have Lucid chart as a tool for the creation of developmental frameworks. This can help with React or Angular for the front end or Node.js for the backend. Finally, when considering technical requirements, considering the infrastructure is important. Having cloud hosting with built-in security, backup and scalability using services such as Google Cloud or Azure will meet the requirements. This system is designed to scale as Driverpass grows and will include role-based access, secure password recovery, and integration with the DMV for updates followed by notifications.