# 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 system

Description automatically generated

### UML Activity Diagrams

A diagram of a process

Description automatically generated

### UML Sequence Diagram

A black screen with white text

Description automatically generated

## Technical Requirements

The technical requirements for the DriverPass system include hardware, such as servers for hosting the application and network equipment for communication, as well as sufficient storage capacity. Software requirements encompass a web application framework for development, a database management system for data storage, and development tools for software development and maintenance. Security tools, encryption protocols, and communication protocols are essential for safeguarding the system against threats. Cloud hosting services offer scalability and flexibility, while a high availability architecture and disaster recovery plan ensure uninterrupted access and data protection. Overall, the technical requirements encompass hardware, software, tools, and infrastructure necessary for the development, deployment, and operation of a robust driver education platform.