# 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 with blue circles and text

Description automatically generated*

### UML Activity Diagrams

*A diagram of a software

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A diagram of a process

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### UML Sequence Diagram

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### UML Class Diagram

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## Technical Requirements

The DriverPass system will be a web-based application built with Python and hosted on a cloud-based infrastructure. This cloud-based hosting service will serve as the repository for various critical components of the system, including the database storing user login information, the server-side code, and the core Python application code. This approach ensures that the system's architecture is scalable, secure, and accessible from anywhere with an internet connection on any platform, while also centralizing the essential components necessary for its operation within the cloud environment.