# 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

Diagram

Description automatically generated

### UML Activity Diagrams

### Diagram Description automatically generatedDiagram Description automatically generated

### UML Sequence Diagram

*Diagram

Description automatically generated*

### UML Class Diagram

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## Technical Requirements

For hardware, the system will need a dedicated server. Access is accomplished through any computer or mobile device with a browser. The system will need long term and fast access storage capability. To prevent the need for DriverPass to supply and maintain physical servers, the site will be hosted on a cloud server.

Required software is an operating system for the server, linux is recommended as it is low cost and commonly used for servers. MySql or a similar database will be required. Java is suggested for backend language as it can be moved across different OS without additional work. Security and data backup software will also be sourced, preferably using solutions available from the selected cloud service provider.