# 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

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### UML Sequence Diagram

Diagram

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### UML Class Diagram

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## Technical Requirements

* **Server Requirements**
  + Cloud hosting provider (AWS, Azure, GCP)
  + Linux OS
  + Deployed DriverPass system
  + Server monitoring software
  + Network security software
  + 32 GB RAM
  + 12th Gen Intel i7 or newer
  + Uninterruptible power supply
  + Stable, wired, network connection
* **Client requirements**
  + Any web enabled device
    - Desktop
    - Laptop
    - Mobile
    - Tablet
  + Web browser
  + Stable internet connection (wired or wireless)
  + Power to the device
  + DriverPass URL
* **Development requirements**
  + Docker
  + A container of the DriverPass system
  + An IDE
  + Network access