# Ryan Hubbuck

# 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 diagram

Description automatically generated*

### UML Activity Diagrams

*A diagram of a software system

Description automatically generated with medium confidenceA diagram of a payment method

Description automatically generated*

### UML Sequence Diagram

*A diagram of a process

Description automatically generated*

### UML Class Diagram

*A diagram of a computer

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## Technical Requirements

* Hardware
  + Dedicated cloud-based server
  + Dedicated storage for course and customer databases
  + Individual tablets in each vehicle for Driving Instructors
* Software
  + SQL Server due to relational nature of data
  + Microsoft Server 2023
  + Automated test and release software (i.e. Jenkins)
  + Microsoft Azure
* Geographic Information and Other
  + System should be accessible anywhere in the US.
  + Data center located in the central US to provide the most accessible and stable connection for east and west coasts.