# 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, schematic

Description automatically generated

*in this use case diagram I pointed out three of the major actors which are DMV to update the rules driver instructor which keep track of everything and also can be used as a System Administrator depending on their knowledge level or can be even trained to be the System Administrator. I did have trouble adding lines because I'm not a premium member save the two purchasing packaging and learning content are each expression reflected something different the purchasing package is supposed to go to payment as a relationship to it and the learning content goes to the online testing as a relationship to that.*

### UML Activity Diagrams

Diagram

Description automatically generated*Here i did an example of a uml active diagram of logging in*

Diagram

Description automatically generated

*This is a example of a uml active diagram of payment.*

### UML Sequence Diagram

Diagram

Description automatically generated

### UML Class Diagram

Diagram

Description automatically generated

## Technical Requirements

*so there are some basic technical requirements that are needed which I'll breakdown in some simple terms for everyone to understand so we will need a place to store and create all this. I would recommend the cloud this will not cost us a lot as there is some free services that will house a small amount for us to get started and we can pay to expand on that storage easily as the customer base grows. We will set up a few users as system administrators and train people on how to use it if you would like we can also bring people in that know this to help get you set up and started. I would like to recommend that we hold off on the mobile version until we have a bigger customer base do to save you some money in your pocket and for us to workout any unforeseen bugs that may happen. We can always revisit the mobile application down the road and would not be hard to create and set up based on my initial skeleton of the system we have currently made. To start designing this we can use a free software called Visio studios to start the process. By doing this we can save some money on the given budget and put more focused and time on testing and implementing some of these features that you have listed.*