# 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

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### UML Activity Diagrams



### UML Sequence Diagram



### UML Class Diagram



## Technical Requirements

The technical requirements for DriverPass would be quite a few things. First thing is that we would need to have a web server to host the DriverPass application on. This would also need to be running an operating system to be able to host the application. Preferably we would be using Windows for this as Windows does have good security measures for the OS. We would also need to find a physical location to store this web server. We do have some options here, we can create our own server with a physical location somewhere or we can utilize something like Amazon Web Service or a third party providers servers. We would also need to ensure we have enough data to be able to store the application as well as all the extra data we will be receiving from customers and servers. We can ensure that the amount of data is scalable but as we add more data we do need to remember to stay mindful of the budget for this project.

With that said, redundant storage is also a must. If something happens we need to ensure that we are able to restore from backups in order to keep the servers up and running as much as we can. We also need to ensure that we have something running that can connect to the DMV server and allow DriverPass to update with the latest regulations from the DMV so we can stay compliant and ensure our customers get top notch service. Last thing we need to make sure that we have is a physical work phone that can be used for customers to call our secretary. This is necessary for the secretary to take calls and be able to schedule appointments and also deal with an issues customers may have with scheduling appointments with the drivers.