# 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

DMV

user

### UML Activity Diagrams

### UML Class Diagram

## Technical Requirements

Hardware requirements:

For hardware the user must possess a desktop PC or Mobile device capable of interacting with the internet. The systems supported are Windows Mac and iOS and Android. The system should be able to run without delay. Cloud storage backup and SQL data servers such as MySQL would be required. Basic Email services.

Software requirements:

Security software such as HTTPs. Devices should have a firewall installed to prevent intrusion. The user should ensure that the system is up to date with all security maintenance updates.

Tools:

Admins must be able to manage databases. Developmental tools would include IDE’s like PyCharm or Visual Studio Code for development. MySQL could be used for database management.

Infrastructure:

Cloud infrastructure will ensure that the system is scalable and maintainable. Cloud databases will store data for students and DriverPass staff.