# 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

Figure : DriverPass Use Case Diagram

### UML Activity Diagrams

*Diagram

Description automatically generated*

Figure : Activity Diagram for Customer Profile Information

Diagram

Description automatically generated

Figure :Activity Diagram for Schedule Appointment

### UML Sequence Diagram

Diagram

Description automatically generated

Figure : Sequence Diagram for Customer Profile Information

### UML Class Diagram

Diagram, engineering drawing

Description automatically generated

Figure : UML Class Diagram

## Technical Requirements

For DriverPass:

Hardware Requirements:

* Server
* Networking items (cables, modem, etc.)
* Dedicated server room
* Computer accessories (monitor, keyboard, mouse, etc.)
* Internet Service Provider
* Access to electricity

Software Requirements:

* Linux
* Apache
* MySQL
* Python
* DriverPass system software
* Third Party credit card processing agreement

Political/Infrastructure

* Building that complies with local zoning laws
* Electricity
* Internet access
* Adequate parking spaces
* Insurance

For Users

Hardware Requirements:

* Device connected to the internet
* Electricity/Power Supply

Software Requirements

* Operating system
* Web browser

Political/Infrastructure

* Roads/Sidewalks to get to appointments and lessons
* Insurance