# 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 driver pass

Description automatically generated*

### UML Activity Diagrams

*A screenshot of a diagram

Description automatically generated*

*A screenshot of a computer screen

Description automatically generated*

### UML Sequence Diagram

*A diagram of a product

Description automatically generated*

### UML Class Diagram

*A diagram of a computer program

Description automatically generated*

## Technical Requirements

*There are a plethora of technical requirements for the system created. They consist of a mix of hardware, software, tools and infrastructure. The required hardware includes, strong internet connection, reliable server, a large storage for data, a cellphone, laptop or desktop and a security system. A few software requirements are use of an SQL server, security software and a backup device to all data. A few tools and infrastructure for the system are making sure that the system can be accessed remotely over the whole continent of North America, having a data center to store the mobile site and database and making sure that the server is to be user-friendly for all participants. Lastly, different levels of access to the database based off of employment roles vs customer use is strongly advised.*