# CS 255 System Design Document Template

## UML Diagrams

### UML Use Case Diagram

### 

### UML Activity Diagrams





### UML Sequence Diagram

**

### UML Class Diagram



## Technical Requirements

The technical requirements necessary for full functionality of the system are many. From a hardware standpoint*,* the system will be utilized on a desktop computer, laptop, tablet, or smart phone. The user must be able to connect to the system, so networking devices such as a router and modem, or an internal network card for smart devices, will be necessary. For a desktop computer, additional peripheral hardware such as a mouse, keyboard, monitor, and speakers are needed.

On the software side, this system will be cloud-based meaning the local networks will need to be connected to the cloud server. This cloud computing software will be responsible for security, backups, DMV updates, and data storage. The preferred operating system for the system is Windows and users will need this software in order for proper functionality. Regarding security, the system will require some form of encryption for customers sensitive information such as credit cards, addresses, and other contact information.