# CS 255 System Design Document

## UML Diagrams

### UML Use Case Diagram



### UML Activity Diagrams

*Diagram

Description automatically generated*

Diagram

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### UML Sequence Diagram

Diagram

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### UML Class Diagram

*Diagram

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## Technical Requirements

*[Based on the diagrams you have created, describe the technical requirements of your system. These requirements should address the required hardware, software, tools, and infrastructure necessary for your system design.]*

The technical requirements of the system include the fact that it will be web based, because it can be accessed without having to download an app and any updates can be done without stopping access until the application can be updated. It should run very fast, there is not that much data that the system must access, so the load times should be minimal. Also, it needs to be updated regularly to keep up with any new DMV guidelines, and user updates based on customer feedback. It should be able to run on all systems, but be limited to specific browsers, such as Chrome and maybe Safari for Apple users, but not have any restrictions based on hardware. The back end should have cloud-based storage to keep the size of collection and data memory fluid and able to be changed without waiting for increases hardware capacity, and all be handled by the system to not put a strain on user’s computers/devices.