# CS 255 System Design Document

## UML Diagrams

I have adjusted the original UML diagrams.

### UML Use Case Diagram

*Diagram

Description automatically generated*

### UML Activity Diagrams

Diagram

Description automatically generated

Diagram

Description automatically generated

### UML Sequence Diagram

*[You were asked to create a sequence diagram based on* ***one*** *of the use cases you chose. Please insert your sequence diagram here. Check to make sure that you included appropriate components and symbols and that your design meets the client’s needs.]*

*Diagram

Description automatically generated*

### UML Class Diagram

*[You were asked to create a class diagram based on the different classes and attributes needed for your system design. You are* ***not*** *required to include methods, but you may if you wish. Please insert your class diagram here. Check to make sure that you included appropriate components and symbols and that your design meets the client’s requirements.]*

*Diagram

Description automatically generated*

## Technical Requirements

*- The client will need a payment processing service to accept payment.*

*- A web server will be needed to host the site, with sufficient bandwidth to support all users that will be using it without any lag or technical issues.*

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*- The client wants security and backup/recovery to be addressed via the cloud. A cloud*

*service that will manage this is required. IaaS seems to fit the client’s specifications best.*

*- A link with the DMV will be required to keep up to date on regulations to provide accurate*

*Training and personized content related to their specific needs.*

*-The client’s staff will need devices with internet access to interact with the system. Customers will*

*interact with the system using their own devices.*

*- At least one printer will be needed as the client will need to print reports.*

*- The client will have office space to both work and accept in person visits from customers.*