# CS 255 System Design Document Template

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**UML Diagrams**

### UML Use Case Diagram

*Diagram

Description automatically generated*

### UML Activity Diagrams

Diagram

Description automatically generated

Diagram

Description automatically generated

### UML Sequence Diagram

Chart

Description automatically generated with low confidence

### UML Class Diagram

A diagram of a flowchart

Description automatically generated with low confidence

## Technical Requirements

Hardware:

No hardware is required for the client.

Software:

A web server is required/service to run program. (Dedicated web server?)

Tools:

Depending on how the DMV updates are implemented, tools may be required. (A simple HTML VS. needing a tool to edit such as AWS CLI)

Infrastructure:

To meet the needs of the client, AWS will be utilized to provide back up and security, which they do not want to have the burden of. Dynamo DB will be utilized to handle mutable data such as log-in information, addresses, credit card information, appointments, etc. AWS Lambda will be used to execute server-side functionality as service end points, allowing the client to be free of managing servers and virtual machines. S3 will be used to store static content such as html files and images.