# CS 255 System Design Document Template

## UML Diagrams

### UML Use Case Diagram

Diagram

Description automatically generated

### UML Activity Diagrams

*Diagram

Description automatically generated*

Diagram

Description automatically generated

### UML Sequence Diagram

Diagram

Description automatically generated

### UML Class Diagram

Diagram, schematic

Description automatically generated

## Technical Requirements

Hardware requirements:

* Wifi/networking router/cables
* Device to access app (laptop, computer, mobile device)
* Power sources
* Disk space
* Processing power
* Memory (RAM)

Software requirements:

* Platform for system to run
* OS (Linux, Windows, Mac)
* DriverPass software
* Security
* Web browser

Tools:

* Internet connection
* Development tool (Chrome DevTools, etc)
* Device

Infrastructure:

* Horizontal/vertical scaling
* One dedicated utility server
* Multiple servers for reliability
* Cloud provider
* High availability (HA)