# CS 255 System Design Document Template

## UML Diagrams

### UML Use Case Diagram

*A diagram of a system

Description automatically generated*

### UML Activity Diagrams

### *A diagram of a product Description automatically generated*

### UML Sequence Diagram

*A diagram of a person

Description automatically generated*

### UML Class Diagram

A diagram of a computer program

Description automatically generated with medium confidence

## Technical Requirements

*Hardware Requirements for Website:*

*-Some Sort of Server/Hosting*

*-Monitor, keyboard, mouse, for using the site*

*-Some sort of power source or PC*

*-Internet*

*Hardware For Client:*

*-Desktop, laptop Computer, Mobile Device*

*-Some sort of internet Connection*

*-power Source*

*Software Requirements for Development:*

*-Windows Operating System*

*-Universal Codebase (JVM)*

*-Cross Compatible through universal codebase, base system Ran on Windows, Secondary IOS*

*-Software to control VM traffic*

*-Security Software for protecting client and database information*

*-Secure Webhost*

*Software Requirements for Customer:*

*-Web Browser (Chrome, Firefox, safari, tor)*

*-OS: (Mac, Linux, Windows, IOS)*

*-Secure Connection*

*Tools:*

*Code Base that has a VM (Eclipse)*

*-Internet connection*

*-Network admin tool for monitoring system for any unusual Activity*

*Infrastructure Required:*

*Cloud server (outsourced so Driver pass does not have to worry about technical usage).*