# CS 255 System Design Document Template

## UML Diagrams

### UML Use Case Diagram

Diagram

Description automatically generated

### 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

The system as it currently is modeled will depend on a cloud-based solution. This allows for the mitigation of the system to an offsite location. The system will need to be designed in a way to allow it to be displayed in a web browser across a multitude of devices, including mobile devices with significantly smaller screen space. A database will need to be set up to store the information for all the supported users of the system. Also, security and verification methods will need to be implemented to protect the sensitive data of all users. Due to this also being a web-based solution, internet connectivity that is reliable and contains the required needed bandwidth is a paramount.