# CS 255 System Design Document Template

## UML Diagrams

### UML Use Case Diagram

*A picture containing text, diagram, line, screenshot

Description automatically generated*

### UML Activity Diagrams

*A picture containing text, sketch, drawing, diagram

Description automatically generated*

### UML Sequence Diagram

*A picture containing text, screenshot, post-it note, rectangle

Description automatically generated*

### UML Class Diagram

*A screenshot of a computer program

Description automatically generated with low confidence*

## Technical Requirements

* *Sufficient hardware resources for server infrastructure*
* *Required software components such as an operating system, web server, and database management system.*
* *Reliable internet connection and network security measures*
* *Cloud-based or data center infrastructure for high availability and scalability*
* *User-friendly and responsive web interface*
* *Robust security measures to protect user data.*
* *Optimal system performance and efficient data processing*