**CS 255 System Design Document Template**

**UML Diagrams**

**UML Use Case Diagram**



**UML Activity Diagrams**



**UML Sequence Diagram**



**UML Class Diagram**



**Technical Requirements**

*The system has a wide range of technical requirements. Aan established server system with enough storage, as well as dedicated databases and dependable networks, are required. A secured operating system, a strong database control system, and a website server are all software needs. The relevant tools, such as an Integrated Development Environment and a revision management system, will be used by developers.*

*In regard to infrastructure, cloud-based services will provide flexibility and efficiency. Security is critical, particularly firewalls and frequent reviews. These technological pieces work together to ensure that the system's capacity, efficiency, and security are as efficient as possible.*