# CS 255 Module Two Assignment Template

## Functional Requirements

| **Functional Requirement** | **Rationale for Requirement** | **Source(s), APA format** |
| --- | --- | --- |
| User Account Management | Essential for creating and managing user profiles, access rights, and personalized settings. | Author, A. A. (Year). Title of work: Capital letter also for subtitle. Publisher. |
| Course Content Delivery | Core functionality to deliver lectures, reading materials, and multimedia content. | Author, B. B. (Year). Title of work: Capital letter also for subtitle. Publisher. |
| Gradebook Management | Allows instructors to enter, manage, and communicate grades to students. | Author, C. C. (Year). Title of work: Capital letter also for subtitle. Publisher. |
| Discussion Forums | Facilitates student interaction and engagement outside of live class sessions. | Author, D. D. (Year). Title of work: Capital letter also for subtitle. Publisher. |
| Assignment Submission and Feedback | Enables students to submit assignments electronically and receive timely feedback. | Author, E. E. (Year). Title of work: Capital letter also for subtitle. Publisher. |
| Integrated Video Conferencing | Supports live classes, virtual office hours, and student collaboration sessions. | Author, F. F. (Year). Title of work: Capital letter also for subtitle. Publisher. |

## Nonfunctional Requirements

| **Nonfunctional Requirement** | **Rationale for Requirement** | **Source(s), APA format** |
| --- | --- | --- |
| Scalability | System must handle a growing number of users and data without performance degradation. | Author, G. G. (Year). Title of work: Capital letter also for subtitle. Publisher. |
| Security | Protects sensitive information and ensures data privacy and integrity. | Author, H. H. (Year). Title of work: Capital letter also for subtitle. Publisher. |
| Usability | Interface should be intuitive to encourage user adoption and reduce training time. | Author, I. I. (Year). Title of work: Capital letter also for subtitle. Publisher. |
| Performance | System should provide fast response times and handle high loads efficiently. | Author, J. J. (Year). Title of work: Capital letter also for subtitle. Publisher. |
| Reliability | Ensures the system is consistently available and functions correctly. | Author, K. K. (Year). Title of work: Capital letter also for subtitle. Publisher. |
| Compatibility | System should work seamlessly across different devices and operating systems. | Author, L. L. (Year). Title of work: Capital letter also for subtitle. Publisher. |

## Assumptions

| **Assumption** | **Rationale for Requirement** | **Source(s), APA format** |
| --- | --- | --- |
| High-Speed Internet Access | Assumes all users have reliable internet access to utilize online features effectively. | Author, M. M. (Year). Title of work: Capital letter also for subtitle. Publisher. |
| Basic Technical Literacy | Assumes users have basic computer skills necessary to navigate the LMS. | Author, N. N. (Year). Title of work: Capital letter also for subtitle. Publisher. |

## Limitations

| **Limitation** | **Rationale for Requirement** | **Source(s), APA format** |
| --- | --- | --- |
| Initial High Cost | Initial setup and deployment may require significant financial investment. | Author, O. O. (Year). Title of work: Capital letter also for subtitle. Publisher. |
| Learning Curve | Users may require time and training to become proficient with the new system. | Author, P. P. (Year). Title of work: Capital letter also for subtitle. Publisher. |