



Systems Capabilities Checklist

Requirements	Yes?	No?	Not Sure	Notes
Server Hardware Requirements				
Sufficient CPU power and cores				
Adequate RAM (memory)				
Sufficient storage space (SSD recommended)				
Redundancy for high availability (optional)				
Scalability options to accommodate future growth				
Operating System (OS)				
Support for the chosen LMS software (e.g., Windows Server, Linux)				
Web Server				
Web server software (e.g., Apache, Nginx)				
SSL/TLS support for secure connections (HTTPS)				
Database Server				
Database management system (MySQL, PostgreSQL, SQL Server)				
Database server software and required extensions				
LMS Software				
Installation and licensing of the chosen LMS				
Networking				
Reliable internet connection				
Adequate bandwidth for concurrent users				
DNS configuration for domain mapping (if applicable)				
Security				
Firewall configuration				
Regular software updates and security patches				
User authentication and access control				
Data encryption (at rest and in transit)				
Backup and Disaster Recovery				
Regular data backups				
Disaster recovery plan in place				
Monitoring and Performance Optimization				
Monitoring tools (e.g., Nagios, Zabbix)				
Performance tuning and optimization				
User Support				
Helpdesk or support system for users				
Training resources for administrators and instructors				
Browser Compatibility				
Ensure the LMS supports a range of web browsers				
Mobile Compatibility				
Compatibility with mobile devices (responsive design or mobile app)				
Content Delivery				
Support for various multimedia formats (videos, documents, images)				
Content streaming capabilities (for video lectures)				
Integration				
Integration with other systems (e.g., Single Sign-On, HR systems, CRM)				
Compatibility with Learning Tools Interoperability (LTI) standards				
Scalability				
Ability to scale the system as the user base grows				
Compliance and Accessibility				
Compliance with relevant data privacy regulations (GDPR, HIPAA)				
Accessibility features to accommodate users with disabilities (WCAG)				
Reporting and Analytics				
Reporting tools for tracking student progress and system usage				
Analytics capabilities for instructors and administrators				
Testing and Quality Assurance				
Test environments for updates/ changes before deploying				
Documentation				
Comprehensive system documentation for administrators and users				
Budget and Resource Planning				
Adequate budget for hardware, software, and personnel				
Dedicated IT staff or third-party support (if needed)				

