Project Design Phase-II
Solution Requirements (Functional & Non-functional)

Date	04 Nov 2023
Team ID	NM2023TMID08896
Project Name	Creating Blog using WordPress Platform

Functional Requirements:

Following are the functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	**User Interface (UI)**	a. Intuitive dashboard layout for easy navigation and management. b. Clear and accessible menu structure for content organization.
FR-2	**Content Management System (CMS)**	a. WYSIWYG (What You See Is What You Get) editor for seamless content creation. b. Revision history and version control for easy content management.
FR-3	**Customization Options**	a. Access to a wide range of customizable themes and templates. b. Support for easy logo and branding integration.
FR-4	**Search Engine Optimization (SEO) Tools**	a. Meta tags and descriptions for each post and page b. Customizable URL structures for improved search engine visibility.
FR-5	**Media Integration**	a. Image and video upload functionality with automatic resizing and optimization. b. Support for embedding multimedia content from external sources.

FR-6	**Comment Management**	a. Comment moderation tools to filter and manage user comments. b. Option to enable/disable comments on specific posts or pages.
FR-7	**Responsive Design**	a. Mobile-friendly layout for optimal viewing on various devices. b. Cross-browser compatibility to ensure consistent user experience.
FR-8	**Analytics and Reporting**	a. Integration with popular analytics tools like Google Analytics. b. Real-time and comprehensive reporting of website performance metrics.
FR-9	**Plugin Integration**	a. Compatibility with popular WordPress plugins for added functionalities. b. Support for custom plugin development and integration.

Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

FR No.	Non-Functional Requirement	Description
NFR-1	**Performance**	• The blog should load quickly, with minimal latency for optimal user experience. • It should be able to handle a large number of simultaneous users without significant performance degradation.
NFR-2	**Scalability**	• The platform should be able to accommodate a growing number of blog posts and users without compromising performance. • It should support seamless integration with scalable hosting solutions to handle increased traffic.
NFR-3	**Reliability**	• The blog should maintain high uptime, ensuring that it is accessible to users at all times. • It should have robust backup and recovery mechanisms to prevent data loss in case of system failures.
NFR-4	**Security**	• The platform should adhere to industry standards for data security and user privacy. • It should provide secure data transmission through encryption and secure socket layer (SSL) protocols.
NFR-5	**Accessibility**	• The blog should be accessible to users with disabilities, complying with accessibility standards such as WCAG (Web Content Accessibility Guidelines). • It should support screen readers and other assistive technologies for users with visual or auditory impairments.
NFR-6	**Compatibility**	• The blog should be compatible with various web browsers, operating systems, and devices. • It should adhere to web standards and ensure consistent functionality across different platforms.
NFR-7	**Maintainability**	• The platform should be easy to update and maintain, allowing for smooth integration of future updates and enhancements. • It should have clear documentation and support resources for troubleshooting and resolving issues.