

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

Date	03 Nov 2023
Team ID	NM2023TMID08844
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)	<ul style="list-style-type: none">a. Intuitive dashboard layout for easy navigation and management.b. Clear and accessible menu structure for content organization.
FR-2	Content Management System (CMS)	<ul style="list-style-type: none">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	<ul style="list-style-type: none">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	<ul style="list-style-type: none">a. Meta tags and descriptions for each post and pageb. Customizable URL structures for improved search engine visibility.
FR-5	Media Integration	<ul style="list-style-type: none">a. Image and video upload functionality with automatic resizing and optimization.b. Support for embedding multimedia content from external sources.
FR-6	Comment Management	<ul style="list-style-type: none">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	<ul style="list-style-type: none">a. Mobile-friendly layout for optimal viewing on various devices.b. Cross-browser compatibility to ensure consistent user experience.
FR-8	Analytics and Reporting	<ul style="list-style-type: none">a. Integration with popular analytics tools like Google Analytics.b. Real-time and comprehensive reporting of website performance metrics.
FR-9	Plugin Integration	<ul style="list-style-type: none">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	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• 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.