Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date	03 NOV 2023
Team ID	NM2023TMID01218
Project Name	Create a 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 Registration and Login	The blog should offer user registration with customizable profiles and secure authentication for user login. This feature allows for user engagement and interaction, such as commenting and personalized experiences.
FR-2	Content Management	A vital requirement involves the ability to create, edit, and delete blog posts and pages. Additionally, the platform should support content categorization and tagging, accommodating various content types like text, images, videos, and embedded media.
FR-3	Theme and Design Customization	The platform should provide options for selecting a responsive and customizable theme, allowing users to modify and personalize the blog's design to align with branding and user experience requirements.
FR-4	Commenting System	Implementing a built-in commenting system is essential for user engagement. It should include moderation tools and spam control to maintain a healthy comment section.
FR-5	Social Media Integration	Integration with social media platforms is essential, with social sharing buttons for posts and pages. This encourages users to share content on their own social networks, increasing the blog's reach.
FR-6	Search Functionality	The inclusion of a search bar enables users to easily find specific content. Advanced search features may also be incorporated to enhance the user experience.
FR-7	Multimedia Support	The platform should allow the upload and embedding of various media types, such as images, videos, and audio files. Managing media files through a media library is also important.

FR-8	Analytics and Reporting	Integration with analytics tools to track website traffic and user behavior, with the ability to generate reports for performance analysis and decision-making.
FR-9	Backup and Security	Implement regular automated backups of the website's content and database to safeguard against data loss. Strong security measures should be in place to protect the site from vulnerabilities and threats.
FR-10	Customization	Offering flexibility and options for customizing the blog's header, footer, and other design elements to align with the desired branding and user experience.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Performance	This includes efficient code, optimized media handling, and minimal downtime. A well-optimized WordPress site will offer a seamless user experience, promoting user engagement and retention.
NFR-2	Accuracy	Blog posts should display correctly with accurate content, and any search functionality should return relevant results.
NFR-3	Scalability	The project should consider scalability, ensuring that the website can handle growing numbers of users and content. This may involve robust server infrastructure and content delivery networks.
NFR-4	Robustness	This requires proper error handling and recovery mechanisms to minimize disruptions.
NFR-5	Adaptability	WordPress allows for easy updates and plugin integration, which can help adapt the site to changing requirements, new features, and emerging trends in web design and functionality.
NFR-6	Resource Efficiency	The project should optimize resource usage, such as server resources and database queries, to reduce unnecessary resource consumption. This efficiency ensures smooth and cost-effective operation.
NFR-7	User-Friendly Interface	The blog's user interface should be intuitive and user-friendly, making it easy for both content creators and readers to navigate and interact with the site.
NFR-8	Security and Privacy	Measures to protect data, prevent unauthorized access, and ensure user privacy.
NFR-9	Compatibility	Compatibility with various platforms, operating systems, and devices for seamless integration.
NFR-10	Maintainability	Modular and easily maintainable design for updates, enhancements, and issue resolution.
NFR-11	Ethical Considerations	This includes content quality, responsible

		advertising practices, and respecting user privacy and consent.
NFR-12	Documentation	This documentation should cover aspects like site architecture, codebase, plugins, theme customization, and maintenance procedures, ensuring the project remains well-documented and manageable.