

Project Design Phase-II

Requirement Analysis (Functional, Operational, Technical) / Flow Charts

Date	03 Nov 2023
Team ID	NM2023TMID4218
Project Name	Building a Website Using Canva

Functional Requirements:

- 1. User Features:** Design user-friendly features like product browsing, search functionality, adding items to the cart, and a seamless checkout process to enhance the customer experience.
- 2. Admin Features:** Incorporate functionalities for administrators to efficiently manage the website, including updating product listings, tracking orders, and ensuring smooth inventory management.
- 3. Security:** Prioritize the security of customer data, payment information, and website integrity. Implement encryption, secure payment gateways, and robust firewall protection.
- 4. E-commerce Functionality:** Ensure e-commerce capabilities, enabling online payment processing, order tracking, and customer account management for a convenient shopping experience.

Operational Requirements:

- 1. Order Processing:** Establish a streamlined order processing system that encompasses order confirmation, efficient packaging, and timely shipping to meet customer expectations.
- 2. Customer Support:** Develop a responsive customer support system to address inquiries, resolve issues, and facilitate hassle-free returns and exchanges, fostering positive interactions.
- 3. Content Management:** Implement a content management strategy for keeping product listings, descriptions, and images up-to-date, providing customers with accurate information.

4. Scalability: Plan for scalability to accommodate increased website traffic during promotional events or seasonal peaks without compromising performance.

Technical Requirements:

1. Hosting and Infrastructure: Choose reliable web hosting services and define the necessary infrastructure, including servers and databases, to ensure website stability.

2. Technology Stack: Select an appropriate technology stack, considering content management systems like WordPress or Shopify and essential web technologies such as HTML, CSS, and JavaScript.

3. Performance: Set performance standards to achieve fast page load times and responsive server interactions, enhancing the overall user experience.

4. Mobile Responsiveness: Prioritize mobile responsiveness, ensuring the website adapts seamlessly to different screen sizes and devices, accommodating mobile users.