**Bike BD online shop**

**Functional and Non-functional Requirements**

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**What is functional requirement?**

-They are basically the requirements stated by the user which one can see directly in the final product.

**What is non-functional requirements?**

-They are basically the quality constraints that the system must satisfy according to the project contract.

**Our bike BD online shop is basically a bike and bike accessories selling online platform. The requirements are below:**

**Functional Requirements:**

**Login facility**: User registration and login functionality for both customers and administrators.

**Product Catalog**: The online shop should have a catalog of all bikes and bike accessories and ability to browse and search them.

**Search and Filter**: The users should be able to search and filter bikes based on various parameters such as brand, price range, color, etc.

**Product Description**: The online shop should provide a detailed description of each bike and bike accessories, including specifications, features, and images.

**Shopping Cart**: The users should be able to add bikes accessories to their shopping cart and view the total price of their purchase.

**Checkout**: The online shop should provide a secure and easy-to-use checkout process, where users can enter their shipping and billing information, and complete the purchase.

**Payment Gateway Integration**: The online shop should integrate with a secure and reliable payment gateway to process transactions.

**Management system**: Order management system, allowing administrators to manage and track orders.

**Content management system**: Allowing administrators to add and update website content, such as product descriptions and blog posts.

**Non-Functional Requirements:**

**Usability**: The online shop should have a simple and easy-to-use interface to navigate.

**Performance**: The bike BD online shop should be fast and responsive, with minimal page load times and server downtimes.

**Security**: The bike BD online shop should be secure, with measures in place to protect user information, customer and business data and prevent unauthorized access

**Scalability**: The bike BD online shop should be designed to handle a large number of users and transactions, and should be able to scale up or down based on demand.

**Accessibility**: The Bike BD online shop should be accessible to users with disabilities.

**Compatibility**: The bike BD online shop should be compatible with different browsers and devices, including mobile phones and tablets.

**Reliability**: The website should be available 24/7 and provide a consistent experience.

**Maintainability**: The website should be easy to maintain and update by administrators.