

Bike BD online shop

Functional and Non-functional Requirements



Course Code: (CSE-3638)

Course Title: Software Engineering Lab

Submitted By :

Md. Riaz Ahmed - C201060

Abrar Faisal - C201058

S.M Amim - C201128

Submitted To:

Dr. Engr. Abdul Kadar Muhammad Masum

Bike BD online shop

Functional and Non-functional Requirements

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: Our 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 Bike BD 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: Our bike BD 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: Bike BD 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: 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.