

National University of Computer and Emerging Sciences



Database Project Proposal <ByteBazaar>

Group Members:

Name	Roll No.	Sub-section
Muhammad Laraib Akhtar	21L-5294	B-1
Muhammad Abdullah Naeem	21L-1794	B-1
Qasim Naveed	21L-5231	B-1

CL219 Database Systems Lab
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Introduction

The project we propose is an e-commerce website that sells computer parts to computer enthusiasts and people. The website offers countless products like computer parts, including peripherals and components from computing industry's top brands. We are making our website quite easy to use. And we are making sure that our customer experience is up to the mark.

Objectives

The goal of our project is to create a successful online platform for selling computer parts, providing computer enthusiasts and geeks with a convenient and efficient shopping experience. We are providing the best prices against the best products you can find in the market. We are looking forward to providing the best customer experience and providing easy access to the products related to computer. Also, we provide a convenient communication between the buyer and the seller.

Functionalities

1. Create Account (Customers/Admin)

Customers can register themselves to track their purchase and to place orders as a customer or add products as an administrator.

2. Log In (Customers/Admin)

Admins and customers can login to their account to continue their progress and manage their accounts.

3. Delete Account

Admins can delete any account by the request of the consumer.

4. Update Account

Users can update their information on the site. Such as name, billing information and address information.

5. Product Catalog:

A module that allows users to browse and search through a list of available computer parts, including processors, motherboards, graphics cards, storage devices, and more. The catalog should allow users to filter by product type, brand, price range, and other relevant criteria

6. Product Details:

A module that provides users with detailed information about each product, including specifications, features, images, and reviews from other customers add items to their cart for purchase.

7. Shopping Cart:

A module that enables users to add products to their cart and review their selections before proceeding to checkout. This module should display the total cost of the order, including any applicable taxes and shipping fees.

8. Checkout:

A module that guides users through the process of completing their purchase, including entering billing and shipping information, selecting a payment method, and reviewing their order one last time before submitting it.

9. Shipping and Delivery

A shipping and delivery system that allows customers to choose their preferred shipping method, track their orders.

10. Reviews and Ratings:

A module that allows users to rate and review products they have purchased, as well as read reviews from other customers. This module should help users make informed purchasing decisions based on the experiences of others.

11. Order Management:

A module that allows website administrators to manage orders and track their status, including reviewing new orders, updating order status, and managing order fulfillment and shipping.

12. Inventory Management:

A module that helps website administrators keep track of their inventory levels and product availability.

13. Wish List:

A module that enables users to create a wish list of products they are interested in but not ready to purchase yet. This module should allow users to save items for future reference.

14. (Extra if Possible) Custom Building:

Enables user to build their dream PC.