E-TRADING SYSTEM

TEAM 1
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PROBLEM STATEMENT

Development of E-Trading System (ERS) using ASP.NET MVC, ASP.NET Web API & Entity Framework

ABSTRACT

The proposed E-Trading System (ETS) is a web-based application that facilitates seamless interactions between customers and vendors, allowing them to view, showcase, and purchase products. The system provides features such as user registration, account management, and product search for customers, along with order and inventory management for vendors. Admins oversee the platform by managing users, vendors, and business categories while having the authority to add or remove vendors. Customers can register, check account balances, search products, and make purchases, while vendors can manage their profiles, update product prices, and view order details.

ROLE OF ADMIN

- Authorization of vendors

- Has the authority to add or delete a vendor

- Has control on categories of the product

- Has reports which shows the sales of the products

ROLE OF CUSTOMERS

- Customers can browse and search products, sort by price, and add items to their cart.

- They can update their profile details and manage their account balance.

- Customers have access to personalized notifications on the dashboard upon login.

- They can view product details and make purchases.

- Order history is available to track past purchases.

ROLE OF VENDOR

- **Register/Login**: Vendors register with details and log in for system access.

- **Profile Management**: Update profile details.

- **Approval**: After registration , vendor request for approval.

- **Product Management**: Add, update, or delete products with price notifications.

- **Inventory Management**: View and manage available products.

- **Order Management**: Track customer orders.

- **Notifications**: Display updates on the dashboard at login.

Register Login

Welcome to E-Trading Platform

Explore a wide variety of products from different categories. Shop easily, securely, and conveniently!

Start Shopping

LOGIN PAGE

Login

Username

Password

◉ Customer   ○ Vendor   ○ Admin

Login

Create an account

SNAPSHOTS

ADMIN DASHBOARD

CUSTOMER DASHBOARD

Welcome, Customer1

Order History

Cart

Check and Update Balance

Search

Notifications

Logout

Order History

Order ID	Order Date	Order Total	Order Status	Vendor	Order Details
1	1/14/2025 8:59:16 PM	2050.00	Completed	vendor1	Wireless mic 1 - 20 x 1800.00 watch - 5 x 250.00

VENDOR DASHBOARD

Welcome, vendor1

All Products

Add Product

Price History

Logout

Products

Add New Product

Product ID	Product Name	Price	Stock	Actions
1	Wireless mic	$100.00	260	Edit Delete
3	watch	$90.00	90	Edit Delete
4	Wireless mic 1	$90.00	59	Edit Delete