HOME APPLIANCES ECOMMERCE WEBSITE

ABSTRACT

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ABSTRACT

SLEEK MART

The Sleek Mart Ecommerce Website is an online platform designed to provide a user-friendly and efficient shopping experience for customers interested in purchasing home appliances. The project encompasses essential functionalities for visitors, registered users, admins, sellers and delivery agents.

Visitors can browse through the product catalog and access basic information about the home appliances. Registered users have additional benefits, including the ability to create accounts, manage profiles, and access personalized features. They can add items to the shopping cart and proceed with secure payments using integrated payment gateways.

Admin users have special privileges and responsibilities to manage the overall functioning of the website. They handle tasks such as managing the product inventory, including adding, updating, and removing items. Admins also manage product categories, ensuring an organized catalog. Additionally, they oversee user accounts, including user registrations, account approvals, and user roles.

The project implementation also includes the role of the seller. Sellers can register and create accounts on the platform. They can list their home appliances for sale, manage their product inventory, update product information, and handle communication with customers. The platform facilitates interaction between sellers and customers, allowing for inquiries, negotiations, and order fulfillment.

The delivery agent's role is to manage the physical delivery of ordered items to customers. Responsibilities include order fulfillment, updating order status, and communicating with customers for delivery updates.

1. Visitors/Guest Users:
   These are users who visit the website without creating an account or logging in. Their role is primarily to browse through the product catalog, read product information, reviews, and compare appliances. They can add items to the shopping cart as guests but may be prompted to create an account during the checkout process.

2. Registered Users: These users have created an account on the website. Their role involves additional privileges and responsibilities, including:
   - Creating and managing their profile information.
   - Saving products to their wish list.

- Search.
- Adding items to the shopping cart and proceeding with the purchase.
- Order history and shipment status.
- Writing product reviews and ratings.
- Engaging in customer support interactions.
- Payment

3. Sellers: For sellers, the following functionalities can be implemented to support their role on the eCommerce website:
   - Seller Registration
   - Profile Management
   - Product Listing
   - Product Management
   - Order Management
   - Sales Report Generation

4. Admin: These users have special privileges and responsibilities to manage the overall functioning of the website. Their roles include:

   - Managing product inventory, including adding, updating, and removing items.
   - Managing product categories
   - Organizing the catalog.
   - Handling user accounts
   - Managing User registrations, account approvals, and user roles.
   - Monitoring reviews and comments.
   - Customer Purchase Prediction using Machine Learning

5. Delivery Agent: The Delivery Agent is a user role responsible for managing the physical delivery of ordered items to customers. Their responsibilities include:

   - Order Fulfillment: The Delivery Agent is assigned orders by the admin.
   - Order Tracking: The Delivery Agent is responsible for updating the order status as "Out for Delivery".
   - Communication: The Delivery Agent communicate with customers to provide delivery updates

Seminar Topic: Customer Purchase Prediction using Machine Learning

MAINPROJECT

1. Registered Users: These users have created an account on the website. Their role involves additional privileges and responsibilities, including:

   - Product Comparison.
   - Product Recommendations.
   - Option to see the AR view of the product.
   - 3D Modeling and Rendering.
   - Accessing personalized recommendations and offers based on their browsing and purchase history.
   - Deals and Special Offers.
   - Payment Integration: Implementing a secure payment gateway to facilitate online transactions.

2. Sellers: For sellers, the following functionalities is implementing to support their role on the eCommerce website:

   - Sales Analytics and Reporting
   - Commission and Payment Management
   - Seller Dashboard
   - Product Promotions and Marketing
   - Seller Policies and Guidelines
   - Communication with Customers

3. Admin: These users have special privileges and responsibilities to manage the overall functioning of the website. Their roles include:

   - Managing promotions, discounts, and special offers.
   - Generating reports and analytics related to sales, customer engagement, and website performance.

4. Delivery Agent: The Delivery Agent is a user role responsible for managing the physical delivery of ordered items to customers. Their responsibilities include:

   - Timely Delivery: The Delivery Agent ensures timely and accurate deliveries to customers, keeping them informed of any delays or issues that may arise.

- Order Confirmation: Once the delivery is completed, the Delivery Agent updates the order status as "Delivered".
- Handling Returns: In case of returns or exchanges, the Delivery Agent coordinates the pickup of returned items and update the order status accordingly.