

DESCRIPTION

Introduction:

- **NBTech** is a website used to sell electronic items, primarily focusing on laptops. As we are information technology students, we understand the importance of having a laptop for studying or work. Therefore, **NBTech** provides models of laptops, which can help you gain more insight into those devices, thus allowing you to choose products that suit your personal needs or fit your budget.

Target users - Environments:

- **Target users:** Students (especially HCMUS students)
- **Environment:** Local host, website for Window Operating System

Features:

User:

1. Authentication

- **Register:** Users provide basic information such as name, email address, and password to create a new account. The system validates the inputs and notifies users of any issues (e.g., email already in use).
- **Login:** Users enter their registered email and password to access personalized features such as placing orders, viewing purchase history, and managing account settings.
- **Logout:** Allows users to securely exit their account, protecting personal data and preventing unauthorized access, especially when using shared devices.
- **Forgot password:** Allows users to recover access to their account in case they forget their password. Users enter their registered email address, and the system sends a reset link via email. The reset link is usually valid for a limited time to ensure security. This feature enhances user experience by minimizing access disruptions while maintaining account safety.

2. Product interaction

- **View product list:** Allows users to view the list of all products being sold on the website. List of basic information displays such as product name, price, image and short description.
- **Details about product:** Allows users to view detailed information about a specific product when they click that product from the list. Product details often display large images, fully described, price, specifications, user evaluation, and in stock. This feature helps users better understand the product before making a purchase decision.
- **Search products:** Allows users to search products quickly by entering the related keywords such as product names, types of goods, or brands. The system will return the

list of products suitable for keywords, saving time to approve the entire portfolio.

- **Filter products:** Allows users to narrow the search results or product lists based on criteria such as price, product type, brand, size, color, or evaluation. The filtration helps users quickly find the product that suits personal needs.
- **Add products to cart:** Allow users to choose and save the product they want to buy in the shopping cart temporarily. Users can add many different products, adjust the quantity or remove the product before payment.
- **Add to wishlist:** Allows users to save their favorite products to review or buy later. This is a convenient way to mark the products that users are interested in but do not want to order immediately. Wishlist helps improve shopping experience by personalizing and memorizing the interests of each user.
- **Rate and review products:** Allow users to evaluate the product by giving points (usually from 1 to 5 stars) and write comments after buying or using. These reviews help other customers have a more realistic view of product quality.

3. *Shopping and Orders*

- **Manage shopping cart:** Allows users to manage the products they intend to purchase. Users can add products to the shopping cart from the product detail page or product list. They can also update the quantity of each item or remove unwanted items from the cart. This feature helps users review their selected products before proceeding to checkout.
- **View order history:** Allows users to view a list of their past orders, including details such as order date, items purchased, total amount, order status (e.g., processing, shipped, delivered), and tracking information if available. This helps users keep track of their purchases and manage returns or reorders more easily.
- **Payment:** Enables users to complete their purchases securely. The payment process usually includes selecting a shipping method, entering payment details (such as credit card, e-wallet, or bank transfer), and confirming the order. The system ensures that payment information is encrypted and transactions are processed safely.
- **Apply Coupon:** Allows users to enter discount codes during checkout to receive promotions or price reductions. The system validates the coupon and automatically updates the total amount if the coupon is applicable. This feature enhances customer satisfaction by providing savings and encouraging repeat purchases.

System Admin:

User Management:

- **View user accounts:** Allows the admin to browse through all registered user accounts, view profile information and purchase history.
- **Manage user accounts:** Enables the admin to modify user details such as name, email and phone number as well as reset passwords or delete accounts when necessary.

Product Admin:

Product management:

- **Add, edit, or remove products:** Allows the admin to create new product listings, update existing product details such as name, description, price, and images, or remove products from the catalog.
- **Manage categories and inventory:** Enables the admin to organize products into categories, monitor stock levels, and update inventory to ensure product availability.
- **Approve or remove product reviews:** Lets the admin review user-submitted product ratings and comments, approve appropriate reviews, or remove content that violates guidelines.
- **Add, edit coupon, discount:** Provides tools for the admin to create promotional codes or discounts, set usage conditions, and update or deactivate them as needed.
- **Manage orders:** Enables the admin to update order statuses (pending, shipped, delivered, canceled).