Tech Hunter Documentation

Introduction

Tech Hunter is an e-commerce website designed to offer a seamless online shopping experience. The platform allows users to browse products, add items to their cart, and make purchases. The admin panel facilitates product management, order tracking, and user management.

Architecture

Tech Hunter is built using the following architecture:

- Frontend: HTML, CSS, JavaScript (with jQuery)
- Backend: PHP
- Database: MySQL
- Web Server: Apache (via XAMPP)

Key Components

1. Frontend
   - Home Page: Displays featured products and categories.
   - Product Page: Detailed view of a single product.
   - Cart Page: Overview of items added to the cart.
   - Checkout Page: Final step for completing a purchase.
   - User Account Pages: Login, Registration, Profile Management.

2. Backend
   - Product Management: Add, edit, delete products.
   - Order Management: Track and update order statuses.
   - User Management: Manage user accounts and permissions.

3. Database
   - Users Table: Stores user information.
   - Products Table: Stores product details.
   - Orders Table: Stores order information.
   - Cart Table: Stores items added to the cart by users.

Functionality

- User Registration and Login: Users can create an account or log in to an existing one.
- Product Browsing and Search: Users can browse products by category or search for specific items.
- Shopping Cart: Users can add products to their cart and proceed to checkout.
- Order Processing: Users can place orders, and admins can manage these orders.
- Admin Dashboard: Admins can manage products, view orders, and manage users.

Deployment Instructions

1. Extract the Project Files:
   - Extract the contents of the ecom.zip file to your local machine.

2. Move Files to XAMPP htdocs Folder:
   - Copy the extracted folder named tech_hunter to the htdocs directory of your XAMPP installation. This path is typically C:\xampp\htdocs on Windows.

3. Import the SQL Database:
   - Start the XAMPP control panel and ensure Apache and MySQL services are running.
   - Open your web browser and go to http://localhost/phpmyadmin.
   - Create a new database named tech_hunter.
   - Click on the tech_hunter database and then click on the Import tab.
   - Select the SQL file included in the ecom.zip archive and import it.

4. Access the Website:
   - Open your web browser and navigate to http://localhost/tech_hunter/src/login.php.
     Note:
     - To login as admin use admin as username & password.
     - To login as user create a new account or use already created account username=ahsan, password=786pakistan.
   - By following these steps, you will have the Tech Hunter e-commerce website up and running on your local XAMPP server.