**Test Cases Document**

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| **Test Case ID** | **Test Case Name** | **Description** | **Preconditions** | **Test Steps** | **Expected Results** | **Actual Results** |
| TC001 | User Registration | Verify that a user can register successfully. | User is on the registration page. | 1. Enter valid name, email, password, and confirm password. 2. Click on "Register". | User account is created, and success message is displayed. | User registered successfully; message shown. |
| TC002 | User Login | Verify that a user can log in with valid credentials. | User has a valid registered account. | 1. Enter valid email and password. 2. Click "Login". | User is redirected to their dashboard/homepage. | User logged in successfully. |
| TC003 | Add to Cart | Check if a user can add a product to the cart. | User is logged in and browsing products. | 1. Select a product. 2. Click "Add to Cart". | Product is added to the cart; cart count updates. | Product added to cart successfully. |
| TC004 | Place Order | Verify the order placement process. | Product is in the cart; user is logged in. | 1. Go to Cart. 2. Click "Checkout". 3. Enter payment and address details. 4. Click "Place Order". | Order is placed successfully with confirmation message. | Order placed successfully. |
| TC005 | Contact Form Submission | Test contact form submission functionality. | User is on the contact page. | 1. Enter name, email, subject, and message. 2. Click "Submit". | Success message appears confirming the message was sent. | Message sent successfully. |
| TC006 | Add to Wishlist | Verify that a logged-in user can add a product to wishlist. | User is logged in and browsing products. | 1. Select a product. 2. Click "Add to Wishlist". | Product is saved in the wishlist. | Product added to wishlist successfully. |
| TC007 | Logout | Test if the user can log out properly. | User is logged in. | 1. Click "Logout" from the navbar/menu. | User is logged out and redirected to the login page. | User logged out successfully. |
| TC008 | Database Integrity | Ensure the product data is fetched and displayed correctly. | Database is connected and has product data. | 1. Visit the product listing page. 2. Check product details. | All product data is displayed accurately from the database. | Product data displayed correctly. |
| TC009 | Profile Update | Verify that a user can update their profile info. | User is logged in. | 1. Go to profile page. 2. Change name or contact info. 3. Click "Save Changes". | Changes are saved and success message is shown. | Profile updated successfully. |
| TC010 | Search Product | Test product search functionality. | Products are listed. | 1. Enter product name in search bar. 2. Click "Search". | Matching products are displayed. | Search working correctly; results shown. |
| TC012 | Invalid Login Attempt | Check the response when invalid credentials are used. | User is on login page. | 1. Enter wrong email or password. 2. Click "Login". | Error message is displayed. | Error message displayed correctly. |
| TC013 | Empty Registration Fields | Verify that blank registration form throws validation errors. | User is on the registration page. | 1. Leave all fields empty. 2. Click "Register". | Error messages are shown for required fields. | Error messages displayed as expected. |
| TC014 | Admin Login | Test if admin can log in through the admin panel. | Admin account exists. | 1. Enter admin email and password. 2. Click "Login". | Admin dashboard is displayed. | Admin logged in successfully. |
| TC016 | Remove Product from Cart | Verify user can remove item from cart. | Cart contains items. | 1. Open cart. 2. Click "Remove" next to an item. | Item is removed and cart count updates. | Item removed successfully. |
| TC017 | Responsive Layout | Check website layout on different screen sizes (mobile, tablet, desktop). | Website is deployed. | 1. Resize browser / test on different devices. | Layout adjusts correctly and remains usable. | Layout is responsive and working well. |