Testing Requirements Document

Tricentis Demo Web Shop

Document Version: 1.0
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Website URL: https://demowebshop.tricentis.com/

1. Application Overview

1.1 Application Name

Tricentis Demo Web Shop

1.2 Purpose

An e-commerce demonstration website that allows users to browse products, manage shopping carts, create accounts, and simulate the complete online shopping experience.

1.3 Core Features Identified

Feature ID	Feature Name	Description
F001	User Registration	New user account creation with personal details
F002	User Login/Logout	Authentication and session management
F003	Password Recovery	Reset password via email
F004	Product Browsing	Browse products by categories
F005	Product Search	Search products by keyword (basic + advanced)
F006	Product Details	View product information, images, reviews
F007	Product Configuration	Configure products with options (Processor, RAM, etc.)
F008	Shopping Cart	Add, update, remove items from cart
F009	Wishlist	Save products for later
F010	Product Comparison	Compare multiple products
F011	Checkout Process	Complete purchase with shipping/payment
F012	Gift Cards	Virtual and physical gift card purchase
F013	Coupon/Discount Codes	Apply promotional codes
F014	Newsletter Subscription	Subscribe to email newsletter
F015	Contact Form	Customer inquiry submission

Feature ID	Feature Name	Description
F016	Product Reviews	View and add product reviews
F017	Community Poll	Vote in website polls

2. Testing Requirements (TR)

TR-001: User Registration Must Work Correctly

Priority: High
Description: The system must allow new users to register with valid information and prevent registration with invalid data.

Acceptance Criteria:

- Users can register with valid first name, last name, email, and password
- System validates all mandatory fields
- System prevents duplicate email registration
- Password confirmation must match
- Gender selection is optional
- Success message displayed after registration
- User redirected to appropriate page after registration

TR-002: User Authentication Must Be Secure

Priority: High
Description: The login system must properly authenticate users and handle invalid credentials appropriately.

Acceptance Criteria:

- Registered users can log in with valid credentials
- Invalid credentials show appropriate error message
- "Remember me" functionality works correctly
- Password recovery link is accessible
- Session persists across page navigation
- Logout clears user session completely

TR-003: Navigation Must Work Correctly

Priority: High
Description: All navigation elements must function correctly and lead to appropriate destinations.

Acceptance Criteria:

- Main menu categories (Books, Computers, Electronics, etc.) are clickable
- Breadcrumb navigation works correctly
- Footer links navigate to correct pages
- Logo link returns to homepage

- Header links (Register, Login, Cart, Wishlist) work correctly
- All internal links are not broken

TR-004: Shopping Cart Must Function Properly

Priority: Critical
Description: The shopping cart must accurately manage products and calculations.

Acceptance Criteria:

- Products can be added to cart from product listing
- Products can be added to cart from product detail page
- Quantity can be updated in cart
- Products can be removed from cart
- Cart total calculates correctly
- Cart persists during session
- Configurable products show selected options
- Mini cart dropdown displays correctly

TR-005: Product Search Must Return Accurate Results

Priority: High
Description: The search functionality must return relevant products based on user queries.

Acceptance Criteria:

- Search box is accessible from all pages
- Basic search returns relevant products
- Advanced search filters work correctly
- Empty search shows appropriate message
- Search with no results shows appropriate message
- Search is case-insensitive

TR-006: Checkout Process Must Complete Successfully

Priority: Critical
Description: Users must be able to complete the full checkout process without errors.

Acceptance Criteria:

- Cart checkout button initiates checkout
- Terms of service checkbox is required
- Billing address can be entered
- Shipping options are displayed
- Payment methods are available
- Order confirmation is displayed
- Guest checkout is available (if applicable)

TR-007: Product Display Must Be Accurate

Priority: Medium
Description: Product information must be displayed accurately and consistently.

Acceptance Criteria:

- Product images display correctly
- Product prices are shown accurately
- Discounted prices show old and new price
- Product descriptions are visible
- Product availability status is shown
- Product reviews and ratings display correctly
- "Add to cart" buttons are functional

TR-008: Form Validations Must Prevent Invalid Data

Priority: High
Description: All forms must validate user input and prevent submission of invalid data.

Acceptance Criteria:

- Required fields are marked and enforced
- Email fields validate email format
- Password fields enforce minimum requirements
- Error messages are clear and helpful
- Form validation happens before submission
- Invalid fields are highlighted appropriately

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3. Scope of Testing

3.1 In Scope

- Functional Testing
- Usability Testing
- UI/UX Testing
- Boundary Testing
- Negative Testing
- Cross-browser testing (primary browser only)

3.2 Out of Scope

- Performance/Load Testing
- Security Penetration Testing
- API Testing
- Mobile App Testing
- Payment Gateway Integration (demo environment)
- Database Testing

4. Test Environment

Component	Details
URL	https://demowebshop.tricentis.com/
Browser	Chrome/Edge (Latest)
OS	Windows 10/11
Test Data	Will use generated test data
Automation Tool	Playwright

5. Identified Page Inventory

Page	URL Path	Key Functions
Homepage	/	Featured products, Categories, Search
Register	/register	User registration form
Login	/login	User authentication
Password Recovery	/passwordrecovery	Password reset
Books	/books	Category listing
Computers	/computers	Category with subcategories
Electronics	/electronics	Category listing
Apparel & Shoes	/apparel-shoes	Category listing
Digital Downloads	/digital-downloads	Category listing
Jewelry	/jewelry	Category listing
Gift Cards	/gift-cards	Gift card products
Product Detail	/[product-slug]	Product info, Add to cart
Shopping Cart	/cart	Cart management
Wishlist	/wishlist	Saved products
Search	/search	Product search
Contact Us	/contactus	Contact form
Compare Products	/compareproducts	Product comparison
Recently Viewed	/recentlyviewedproducts	Browsing history

6. Sign-Off

Role	Name	Signature	Date
QA Engineer	Lakindu De Silva	_	_
Project Lead	_	_	_

Role	Name	Signature	Date
QA Engineer	Lakindu De Silva	_	_
Project Lead	_	_	_