

# SmartSpec AI - Generated Test Cases

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Total Test Cases: 56

## Test Case 1: User Registration with Email Verification

ID:	TC_001
Type:	Functional Test
Priority:	High
Status:	Active
Requirement ID:	REQ_001
Description:	Verify that new users can register with valid email addresses and receive verification e

## Test Case 2: User Login with Valid Credentials

ID:	TC_002
Type:	Functional Test
Priority:	High
Status:	Active
Requirement ID:	REQ_002
Description:	Test user authentication with correct username and password

## Test Case 3: Password Reset Functionality

ID:	TC_003
Type:	Functional Test
Priority:	Medium
Status:	Active
Requirement ID:	REQ_003
Description:	Verify password reset process via email link

## Test Case 4: Role-Based Access Control

<b>ID:</b>	TC_004
<b>Type:</b>	Security Test
<b>Priority:</b>	High
<b>Status:</b>	Active
<b>Requirement ID:</b>	REQ_004
<b>Description:</b>	Test that different user roles have appropriate access permissions

## Test Case 5: Session Timeout Security

<b>ID:</b>	TC_005
<b>Type:</b>	Security Test
<b>Priority:</b>	Medium
<b>Status:</b>	Active
<b>Requirement ID:</b>	REQ_005
<b>Description:</b>	Verify user sessions expire after 30 minutes of inactivity

## Test Case 6: Product Addition by Merchant

<b>ID:</b>	TC_006
<b>Type:</b>	Functional Test
<b>Priority:</b>	High
<b>Status:</b>	Active
<b>Requirement ID:</b>	REQ_006
<b>Description:</b>	Test merchant's ability to add new products with complete information

## Test Case 7: Hierarchical Product Categorization

<b>ID:</b>	TC_007
<b>Type:</b>	Functional Test
<b>Priority:</b>	Medium
<b>Status:</b>	Active
<b>Requirement ID:</b>	REQ_007
<b>Description:</b>	Verify products can be organized in multi-level categories

## Test Case 8: Advanced Product Search

<b>ID:</b>	TC_008
<b>Type:</b>	Functional Test
<b>Priority:</b>	High
<b>Status:</b>	Active
<b>Requirement ID:</b>	REQ_008
<b>Description:</b>	Test comprehensive product search with filters and sorting

## Test Case 9: Real-time Inventory Display

<b>ID:</b>	TC_009
<b>Type:</b>	Functional Test
<b>Priority:</b>	High
<b>Status:</b>	Active
<b>Requirement ID:</b>	REQ_009
<b>Description:</b>	Verify product availability is shown in real-time

## Test Case 10: Customer Product Reviews and Ratings

<b>ID:</b>	TC_010
<b>Type:</b>	Functional Test
<b>Priority:</b>	Medium
<b>Status:</b>	Active
<b>Requirement ID:</b>	REQ_010
<b>Description:</b>	Test customer ability to rate and review products

## Test Case 11: Persistent Shopping Cart

<b>ID:</b>	TC_011
<b>Type:</b>	Functional Test
<b>Priority:</b>	High
<b>Status:</b>	Active
<b>Requirement ID:</b>	REQ_011
<b>Description:</b>	Verify shopping cart contents persist across sessions

## Test Case 12: Accurate Total Calculation

<b>ID:</b>	TC_012
<b>Type:</b>	Functional Test
<b>Priority:</b>	High
<b>Status:</b>	Active
<b>Requirement ID:</b>	REQ_012
<b>Description:</b>	Test calculation of order totals including taxes and shipping

### Test Case 13: Multiple Shipping Options

<b>ID:</b>	TC_013
<b>Type:</b>	Functional Test
<b>Priority:</b>	Medium
<b>Status:</b>	Active
<b>Requirement ID:</b>	REQ_013
<b>Description:</b>	Test availability and cost calculation of different shipping methods

### Test Case 14: Stock Validation During Checkout

<b>ID:</b>	TC_014
<b>Type:</b>	Functional Test
<b>Priority:</b>	High
<b>Status:</b>	Active
<b>Requirement ID:</b>	REQ_014
<b>Description:</b>	Verify system checks product availability during checkout process

### Test Case 15: Guest Checkout Process

<b>ID:</b>	TC_015
<b>Type:</b>	Functional Test
<b>Priority:</b>	Medium
<b>Status:</b>	Active
<b>Requirement ID:</b>	REQ_015
<b>Description:</b>	Test checkout functionality without account creation

## Test Case 16: Discount Code Application

<b>ID:</b>	TC_016
<b>Type:</b>	Functional Test
<b>Priority:</b>	Medium
<b>Status:</b>	Active
<b>Requirement ID:</b>	REQ_018
<b>Description:</b>	Test application of coupon codes and promotional offers

## Test Case 17: Secure Payment Gateway Integration

<b>ID:</b>	TC_017
<b>Type:</b>	Security Test
<b>Priority:</b>	High
<b>Status:</b>	Active
<b>Requirement ID:</b>	REQ_019
<b>Description:</b>	Test payment processing with major credit cards

## Test Case 18: Multiple Payment Methods Support

<b>ID:</b>	TC_018
<b>Type:</b>	Functional Test
<b>Priority:</b>	High
<b>Status:</b>	Active
<b>Requirement ID:</b>	REQ_020
<b>Description:</b>	Test various payment options including PayPal and digital wallets

## Test Case 19: Payment Failure Handling

<b>ID:</b>	TC_019
<b>Type:</b>	Functional Test
<b>Priority:</b>	Medium
<b>Status:</b>	Active
<b>Requirement ID:</b>	REQ_021
<b>Description:</b>	Test system response to failed payment attempts

## Test Case 20: Payment Confirmation and Receipts

<b>ID:</b>	TC_020
<b>Type:</b>	Functional Test
<b>Priority:</b>	Medium
<b>Status:</b>	Active
<b>Requirement ID:</b>	REQ_022
<b>Description:</b>	Verify payment confirmations and receipt generation

## Test Case 21: Unique Order Number Generation

<b>ID:</b>	TC_021
<b>Type:</b>	Functional Test
<b>Priority:</b>	Medium
<b>Status:</b>	Active
<b>Requirement ID:</b>	REQ_024
<b>Description:</b>	Test generation of unique, sequential order numbers

## Test Case 22: Order Status Tracking

<b>ID:</b>	TC_022
<b>Type:</b>	Functional Test
<b>Priority:</b>	High
<b>Status:</b>	Active
<b>Requirement ID:</b>	REQ_025
<b>Description:</b>	Test order status updates throughout fulfillment process

## Test Case 23: Automated Order Confirmation Emails

<b>ID:</b>	TC_023
<b>Type:</b>	Functional Test
<b>Priority:</b>	Medium
<b>Status:</b>	Active
<b>Requirement ID:</b>	REQ_026
<b>Description:</b>	Test automatic email notifications for order confirmation

## Test Case 24: Customer Order History

<b>ID:</b>	TC_024
<b>Type:</b>	Functional Test
<b>Priority:</b>	Medium
<b>Status:</b>	Active
<b>Requirement ID:</b>	REQ_027
<b>Description:</b>	Test customer access to past order information



## Test Case 25: Order Cancellation Process

<b>ID:</b>	TC_025
<b>Type:</b>	Functional Test
<b>Priority:</b>	Medium
<b>Status:</b>	Active
<b>Requirement ID:</b>	REQ_028
<b>Description:</b>	Test order cancellation within specified timeframes

## Test Case 26: Shipping Carrier Integration

<b>ID:</b>	TC_026
<b>Type:</b>	Integration Test
<b>Priority:</b>	Medium
<b>Status:</b>	Active
<b>Requirement ID:</b>	REQ_029
<b>Description:</b>	Test integration with shipping carriers for tracking

## Test Case 27: Real-time Inventory Updates

<b>ID:</b>	TC_027
<b>Type:</b>	Functional Test
<b>Priority:</b>	High
<b>Status:</b>	Active
<b>Requirement ID:</b>	REQ_030
<b>Description:</b>	Test immediate inventory level updates across all products

## Test Case 28: Low Stock Alert System

<b>ID:</b>	TC_028
<b>Type:</b>	Functional Test
<b>Priority:</b>	Medium
<b>Status:</b>	Active
<b>Requirement ID:</b>	REQ_031
<b>Description:</b>	Test automatic notifications for low inventory levels

## Test Case 29: Inventory Reservation During Checkout

<b>ID:</b>	TC_029
<b>Type:</b>	Functional Test
<b>Priority:</b>	High
<b>Status:</b>	Active
<b>Requirement ID:</b>	REQ_032
<b>Description:</b>	Test temporary product reservation during payment process

## Test Case 30: Inventory Movement Audit Trail

<b>ID:</b>	TC_030
<b>Type:</b>	Functional Test
<b>Priority:</b>	Medium
<b>Status:</b>	Active
<b>Requirement ID:</b>	REQ_033
<b>Description:</b>	Test tracking and logging of all inventory changes

## Test Case 31: Customer Support Ticket System

<b>ID:</b>	TC_031
<b>Type:</b>	Functional Test
<b>Priority:</b>	Medium
<b>Status:</b>	Active
<b>Requirement ID:</b>	REQ_035
<b>Description:</b>	Test customer ability to create and track support tickets

## Test Case 32: Live Chat Functionality

<b>ID:</b>	TC_032
<b>Type:</b>	Functional Test
<b>Priority:</b>	Medium
<b>Status:</b>	Active
<b>Requirement ID:</b>	REQ_036
<b>Description:</b>	Test real-time customer assistance through live chat

## Test Case 33: FAQ Search Functionality

<b>ID:</b>	TC_033
<b>Type:</b>	Functional Test
<b>Priority:</b>	Low
<b>Status:</b>	Active
<b>Requirement ID:</b>	REQ_037
<b>Description:</b>	Test searchable FAQ system with categorization

## Test Case 34: Return Merchandise Authorization

<b>ID:</b>	TC_034
<b>Type:</b>	Functional Test
<b>Priority:</b>	Medium
<b>Status:</b>	Active
<b>Requirement ID:</b>	REQ_038
<b>Description:</b>	Test customer-initiated return process with automated approval

## Test Case 35: System Performance Under Normal Load

<b>ID:</b>	TC_035
<b>Type:</b>	Performance Test
<b>Priority:</b>	High
<b>Status:</b>	Active
<b>Requirement ID:</b>	REQ_050
<b>Description:</b>	Test system response times under typical usage conditions

## Test Case 36: Concurrent User Load Testing

<b>ID:</b>	TC_036
<b>Type:</b>	Performance Test
<b>Priority:</b>	High
<b>Status:</b>	Active
<b>Requirement ID:</b>	REQ_051
<b>Description:</b>	Test system performance with 10,000 concurrent users

## Test Case 37: System Uptime Availability

<b>ID:</b>	TC_037
<b>Type:</b>	Reliability Test
<b>Priority:</b>	High
<b>Status:</b>	Active
<b>Requirement ID:</b>	REQ_052
<b>Description:</b>	Test system availability and uptime requirements

## Test Case 38: Database Query Performance

<b>ID:</b>	TC_038
<b>Type:</b>	Performance Test
<b>Priority:</b>	Medium
<b>Status:</b>	Active
<b>Requirement ID:</b>	REQ_053
<b>Description:</b>	Test database response times with proper indexing

## Test Case 39: Data Encryption Implementation

<b>ID:</b>	TC_039
<b>Type:</b>	Security Test
<b>Priority:</b>	High
<b>Status:</b>	Active
<b>Requirement ID:</b>	REQ_054
<b>Description:</b>	Test encryption of sensitive data in transit and at rest

## Test Case 40: Web Vulnerability Protection

<b>ID:</b>	TC_040
<b>Type:</b>	Security Test
<b>Priority:</b>	High
<b>Status:</b>	Active
<b>Requirement ID:</b>	REQ_055
<b>Description:</b>	Test protection against common web security vulnerabilities

## Test Case 41: Administrative Action Audit Logs

<b>ID:</b>	TC_041
<b>Type:</b>	Security Test
<b>Priority:</b>	Medium
<b>Status:</b>	Active
<b>Requirement ID:</b>	REQ_056
<b>Description:</b>	Test comprehensive logging of all administrative actions

## Test Case 42: Secure Password Policy Implementation

<b>ID:</b>	TC_042
<b>Type:</b>	Security Test
<b>Priority:</b>	Medium
<b>Status:</b>	Active
<b>Requirement ID:</b>	REQ_057
<b>Description:</b>	Test password complexity requirements and secure storage

## Test Case 43: Intuitive Navigation Testing

<b>ID:</b>	TC_043
<b>Type:</b>	Usability Test
<b>Priority:</b>	Medium
<b>Status:</b>	Active
<b>Requirement ID:</b>	REQ_061
<b>Description:</b>	Test user navigation with maximum 3 clicks to any product

## Test Case 44: Accessibility Standards Compliance

<b>ID:</b>	TC_044
<b>Type:</b>	Accessibility Test
<b>Priority:</b>	Medium
<b>Status:</b>	Active
<b>Requirement ID:</b>	REQ_062
<b>Description:</b>	Test accessibility features for disabled users

## Test Case 45: Error Message Clarity

<b>ID:</b>	TC_045
<b>Type:</b>	Usability Test
<b>Priority:</b>	Medium
<b>Status:</b>	Active
<b>Requirement ID:</b>	REQ_063
<b>Description:</b>	Test clear error messages and recovery instructions

## Test Case 46: Responsive Design Mobile Testing

<b>ID:</b>	TC_046
<b>Type:</b>	Functional Test
<b>Priority:</b>	High
<b>Status:</b>	Active
<b>Requirement ID:</b>	REQ_047
<b>Description:</b>	Test responsive design functionality on mobile devices

## Test Case 47: Mobile Payment Integration

<b>ID:</b>	TC_047
<b>Type:</b>	Integration Test
<b>Priority:</b>	Medium
<b>Status:</b>	Active
<b>Requirement ID:</b>	REQ_048
<b>Description:</b>	Test mobile-specific payment methods like Apple Pay and Google Pay

## Test Case 48: Mobile Page Load Performance

<b>ID:</b>	TC_048
<b>Type:</b>	Performance Test
<b>Priority:</b>	Medium
<b>Status:</b>	Active
<b>Requirement ID:</b>	REQ_049
<b>Description:</b>	Test page loading optimization for mobile networks



## Test Case 49: API Documentation and Integration

<b>ID:</b>	TC_049
<b>Type:</b>	Integration Test
<b>Priority:</b>	Medium
<b>Status:</b>	Active
<b>Requirement ID:</b>	REQ_066
<b>Description:</b>	Test comprehensive REST API functionality and documentation

## Test Case 50: Data Backup and Recovery Testing

<b>ID:</b>	TC_050
<b>Type:</b>	Reliability Test
<b>Priority:</b>	High
<b>Status:</b>	Active
<b>Requirement ID:</b>	REQ_067
<b>Description:</b>	Test automated backup system and disaster recovery procedures

## Test Case 51: Test Case for: mobile compatibility...

<b>ID:</b>	TC_20250801_223843_1
<b>Type:</b>	Functional
<b>Priority:</b>	Medium
<b>Status:</b>	Generated
<b>Requirement ID:</b>	REQ_053
<b>Description:</b>	Generated test case based on query: mobile compatibility

### Test Steps:

1. User performs the required action
2. System processes the request
4. Verify expected behavior

### Expected Result:

System should behave as specified in the requirements

## Test Case 52: Test Case for: mobile compatability...

<b>ID:</b>	TC_20250801_223843_2
<b>Type:</b>	Functional
<b>Priority:</b>	Medium
<b>Status:</b>	Generated
<b>Requirement ID:</b>	REQ_056
<b>Description:</b>	Generated test case based on query: mobile compatability

### Test Steps:

1. User performs the required action
2. System processes the request
4. Verify expected behavior

### Expected Result:

System should behave as specified in the requirements

## Test Case 53: Test Case for: mobile compatability...

<b>ID:</b>	TC_20250801_223843_3
<b>Type:</b>	Functional
<b>Priority:</b>	Medium
<b>Status:</b>	Generated
<b>Requirement ID:</b>	REQ_059
<b>Description:</b>	Generated test case based on query: mobile compatability

### Test Steps:

1. User performs the required action
2. System processes the request
4. Verify expected behavior

### Expected Result:

System should behave as specified in the requirements

## Test Case 54: Test Case for: mobile compatability...

<b>ID:</b>	TC_20250801_224617_1
<b>Type:</b>	Functional
<b>Priority:</b>	Medium
<b>Status:</b>	Generated

<b>Requirement ID:</b>	REQ_053
<b>Description:</b>	Generated test case based on query: mobile compatability

**Test Steps:**

1. User performs the required action
2. System processes the request
4. Verify expected behavior

**Expected Result:**

System should behave as specified in the requirements

## Test Case 55: Test Case for: mobile compatability...

<b>ID:</b>	TC_20250801_224617_2
<b>Type:</b>	Functional
<b>Priority:</b>	Medium
<b>Status:</b>	Generated
<b>Requirement ID:</b>	REQ_056
<b>Description:</b>	Generated test case based on query: mobile compatability

### Test Steps:

1. User performs the required action
2. System processes the request
4. Verify expected behavior

### Expected Result:

System should behave as specified in the requirements

## Test Case 56: Test Case for: mobile compatability...

<b>ID:</b>	TC_20250801_224617_3
<b>Type:</b>	Functional
<b>Priority:</b>	Medium
<b>Status:</b>	Generated
<b>Requirement ID:</b>	REQ_059
<b>Description:</b>	Generated test case based on query: mobile compatability

### Test Steps:

1. User performs the required action
2. System processes the request
4. Verify expected behavior

### Expected Result:

System should behave as specified in the requirements