Test Strategy Document - Safe Mode

Pandashop.md E-commerce Platform

Document Information

- **Project:** Pandashop.md Testing (Safe Mode)
- **Version:** 2.0
- **Date:** August 2025
- **Author:** QA Team Lead
- **Status:** Ready
- **Testing Mode:** SAFE MODE - No real orders, No SMS testing

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1. Project Summary

1.1 About the Website

Pandashop.md is an online store in Moldova. It sells electronics, home appliances, and other products. The website works in two languages: Russian and Romanian. Customers can order products for delivery in Chisinau and other cities in Moldova.

1.2 Safe Mode Testing

We will test the website in a safe way. This means:

- We will NOT create real orders
- We will NOT test SMS messages
- We will NOT use real payment methods
- We will stop tests before placing actual orders

1.3 Main Goals

- Test all shopping features safely
- Check that Russian/Romanian switching works well
- Test all forms and buttons without sending real data
- Make sure the shopping cart works correctly
- Test the website on phones and computers

1.4 What We Cannot Test

- Real order creation (we stop at order review)

- SMS verification (only email registration)

- Real payments (only form checking)

- Actually buying products

2. Test Goals

2.1 Main Goals

- **Safe Shopping Test**: Test buying process without real orders

- **Language Switching**: Check Russian/Romanian works properly

- **Form Testing**: Test all input forms and validation

- **Shopping Cart**: Make sure cart keeps products when switching languages

- **Mobile Testing**: Test phone features and mobile design

2.2 Success Targets

What We Test	Target	How We Check
Safe Tests	100%	No real orders created
Language Switch	95% success	Languages change correctly
Form Validation	90%	All required fields checked
Cart Saving	98%	Cart keeps items when changing language
Phone Links	100%	Phone numbers work on mobile
Different Browsers	95%	Works on Chrome, Firefox, Safari, Edge

3. What We Will Test

3.1 Website Features We Test

3.1.1 Safe Testing Areas

Product Search:

- Looking at product lists and categories

- Searching for products in Russian and Romanian

- Viewing product details and information

- Checking prices, discounts, and cashback

- Using filters to find products

Shopping Cart:

- Adding products to cart

- Removing products from cart

- Changing product quantities

- Keeping cart items when switching languages

- Calculating total prices and cashback

User Accounts (Email Only):

- Creating accounts with email (no phone verification)

- Logging in and out

- Password checking

- Keeping login when using the website

Order Forms (Safe Mode):

- Filling delivery address forms

- Choosing delivery methods

- Selecting payment methods

- Reviewing order details (STOP HERE - no real orders)

- Checking all form fields work correctly

Language Features:

- Switching between Russian and Romanian

- Checking translations are correct

- Keeping cart and login when changing language

- Searching in both languages

Mobile Features:

- Checking website works on phones

- Testing phone number links (they should start phone calls)

- Making sure buttons are easy to touch

- Testing mobile navigation

3.1.2 What We Do NOT Test

- **SMS messages** (too risky)
- **Real order creation** (we stop at review)
- **Real payments** (only test forms)
- **Admin features**
- **Backend systems**

3.2 Browsers and Devices

3.2.1 Computer Browsers

- Google Chrome (latest versions)
- Mozilla Firefox (latest versions)
- Safari (latest versions)
- Microsoft Edge (latest versions)

3.2.2 Mobile Devices

- iPhone Safari
- Android Chrome
- Different screen sizes

3.2.3 Languages

- Russian (Py) - main language
- Romanian (Ro) - second language
- Easy switching between them

4. How We Test Safely

4.1 Test Types (Safe Mode)

4.1.1 API Tests (70% of work)

Note: Limited because website API is not public

What We Test:

- Product information accuracy

- Search results correctness

- Cart calculations

- Form responses

4.1.2 UI Component Tests (20% of work)

What We Test:

- Product cards showing correctly

- Shopping cart widget working

- Login and registration forms (email only)

- Language switching buttons

- Mobile menu and navigation

- Form validation messages

4.1.3 End-to-End Tests (10% of work - Safe Mode)

What We Test:

- Complete shopping flow (until order review)

- User registration and login (email only)

- Using website in different languages

- Mobile and computer experience

- Filling forms completely (without sending)

4.2 Priority Testing

4.2.1 Most Important Tests (Priority 1)

Feature	Why Important	How We Test Safely
Shopping Cart	Users need working cart	Test language switching keeps cart items
Form Validation	Good data quality	Test all fields without sending forms
Search	Finding products	Test search in Russian and Romanian
Language Switch	Moldova market needs	Test smooth Russian/Romanian changing
Mobile Design	Many mobile users	Test phone links and touch interface

4.2.2 Important Tests (Priority 2)

Feature	Why Important	How We Test Safely
Product Catalog	Show products correctly	Test product information display
Checkout Forms	User experience	Test form filling without submission
User Login	Security	Test email-only registration
Website Speed	User satisfaction	Test page loading times

5. Safety Rules

5.1 How We Stay Safe

5.1.1 No Real Orders

- **Stop at Review**: All tests stop when showing order summary
- **Block Submission**: Automatically prevent order form sending
- **Safe Emails**: Only use test@example.com type emails
- **No Real Cards**: Never use real payment information

5.1.2 No SMS Testing

- **Email Only**: Only test email registration
- **No Phone Verification**: Skip SMS code testing
- **Safe Phone Numbers**: Only test if phone format is correct

5.2 Test Methods

5.2.1 Safe E-commerce Testing

- **Cart Testing**: Full shopping cart without completing orders
- **Form Testing**: Check all inputs without sending data
- **Language Testing**: Keep user data when switching languages
- **Mobile Testing**: Test touch and phone call features

5.2.2 Language Testing

- **Translation Check**: Make sure Russian/Romanian text is correct
- **Data Keeping**: Cart and user info stays during language change
- **Search Both Languages**: Find products in Russian and Romanian
- **Form Languages**: Error messages in correct language

6. Test Environment

6.1 Safe Setup

6.1.1 Safety Features

- Stop order submissions automatically
- Keep test data separate from real customers
- No SMS services or fake SMS only
- Use safe email addresses only

6.1.2 Test Data

Safe Data Types:

- **Test Emails**: Only @example.com emails
- **Test Phones**: Check format only (+373 Moldova format)
- **Test Addresses**: Real Moldova cities for checking
- **Test Products**: Use existing products without changes

6.2 Language Setup

- **Russian Testing**: Run tests in Russian interface
- **Romanian Testing**: Run tests in Romanian interface
- **Switch Testing**: Test changing languages during use

7. When to Start and Stop

7.1 When We Can Start Testing

7.1.1 Safety Ready

- [ ] Order blocking system works
- [ ] SMS services are turned off or fake
- [ ] Test email setup is ready
- [ ] Safe test data is prepared
- [ ] Language switching works

7.1.2 Website Ready

- [ ] Website works at https://pandashop.md
- [ ] Russian and Romanian both work

- ☐ Shopping cart works
- ☐ Forms show validation errors

7.2 When We Can Finish Testing

7.2.1 Safe Testing Complete

- ☐ 95% of safe test cases done
- ☐ Shopping cart fully tested
- ☐ Language switching tested successfully
- ☐ Form validation coverage complete
- ☐ No accidental orders created
- ☐ Mobile features confirmed working

7.2.2 Quality Checks Pass

- ☐ Language switching keeps cart items (98% success)
- ☐ Forms catch all missing required fields
- ☐ Mobile phone links work correctly
- ☐ Website works on all browsers
- ☐ Pages load in under 3 seconds

8. Test Automation

8.1 Automation Tools

8.1.1 Safe Technology

- **E2E Testing**: Playwright with TypeScript + order blocking

- **BDD Testing**: Cucumber with Gherkin language

- **Safety Tools**: Custom tools to prevent real submissions

- **Reports**: Allure Reports with safety checks

8.1.2 What We Automate

High Priority:

- Shopping cart operations (100% automated)

- Language switching scenarios (100% automated)

- Form validation testing (95% automated)

- Mobile features (90% automated)

Medium Priority:

- Different browser testing (80% automated)

- Search functionality (85% automated)

- Product browsing (75% automated)

8.2 Safety Implementation

8.2.1 Safe Test Code Example

```typescript
export class SafeTestSuite {
  async blockOrderSubmission(page: Page) {
    // Stop any accidental order creation
  }

  async testFormOnly(formData: FormData) {
    // Test form checking without sending
  }

  async stopAtOrderReview(page: Page) {
    // Make sure tests stop at order review
  }
}
```

9. Language Testing

9.1 Testing Language Switching

9.1.1 Translation Testing

- **Interface Elements**: Menus, buttons, labels

- **Error Messages**: Form errors in both languages

- **Product Info**: Product details translated

- **Cart Display**: Currency and calculations

9.1.2 Data Keeping Testing

- **Cart Items**: Products stay when changing language

- **User Login**: Stay logged in after language change

- **Search History**: Previous searches remembered

- **Form Data**: Partly filled forms kept

9.2 Complete Language Journeys

- **Russian Journey**: Complete user flow in Russian

- **Romanian Journey**: Complete user flow in Romanian

- **Mixed Journey**: Switching languages while shopping

10. Mobile Testing

10.1 Mobile Features

10.1.1 Phone Call Testing

- **Phone Numbers**: All three numbers (022, 079, 060) clickable

- **Mobile Dialer**: Correct number goes to phone app

- **Different Phones**: Works on iPhone and Android

10.1.2 Touch Interface Testing

- **Button Size**: Buttons big enough for fingers (44px minimum)

- **Touch Actions**: Swipe, pinch, tap work correctly

- **Form Inputs**: Phone keyboard appears for forms

- **Navigation**: Mobile menu works well

11. Risks and Safety

11.1 Safety Risks

Risk	How Likely	How Bad	How We Prevent
Accidental real order	Low	Very Bad	Automatic order blocking, manual checking
SMS service activation	Low	Bad	Block SMS, use email only
Real payment	Very Low	Very Bad	Form testing only, no payment data
Language data loss	Medium	Bad	Test cart keeping during language switch

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11.2 Technical Risks

Risk	How Likely	How Bad	How We Handle
Website changes	Medium	Bad	Regular test updates
Browser problems	Low	Medium	Multi-browser testing
Mobile issues	Medium	Medium	Device testing, responsive checks
Performance problems	Low	Medium	Speed testing, optimization checks

12. Success Measures

12.1 Quality Gates

12.1.1 Cart Testing

- Cart keeps all items when switching Russian ↔ Romanian
- Cart calculations are always correct
- Items can be added and removed successfully

12.1.2 Form Testing

- All required field validation works
- Error messages appear in correct language
- Forms prevent submission with invalid data

12.1.3 Language Testing

- Interface translates completely and correctly
- User can switch languages without losing data
- Search works properly in both languages

12.1.4 Mobile Testing

- All phone numbers start phone calls
- Website looks good on phones and tablets
- Touch interactions work smoothly

13. Team and Resources

13.1 Team Structure

- **Test Lead**: Planning and coordination
- **QA Engineers**: Manual testing and test creation

- **Automation Engineer**: Test automation and tools

- **Language Specialist**: Russian/Romanian validation

13.2 Skills Needed

- E-commerce website testing experience

- Mobile testing knowledge

- Russian and Romanian language skills

- Automation tools (Playwright, TypeScript)

- Safe testing practices

14. Schedule

14.1 Timeline (4 weeks)

- **Week 1**: Core features testing (150 test cases)

- **Week 2**: User flows and forms (120 test cases)

- **Week 3**: Advanced features and languages (80 test cases)

- **Week 4**: Final testing and browser compatibility (50 test cases)

14.2 Deliverables

- Test Strategy Document (this document)

- User Stories with acceptance criteria

- Test Case specifications (E2E, UI, API)

- Automated test suite

- Test execution reports

- Safety validation report

Safety Promise: All tests will be conducted safely with no risk of creating real orders or triggering SMS services. The testing approach prioritizes learning and skill development while maintaining complete safety for the live e-commerce platform.

Document Approval

Role	Name	Date
QA Lead		
Project Manager		
Safety Officer		

This document uses B2 level English for accessibility and ensures all team members can understand the testing approach and safety requirements.