

Test Plan IEEE FORMAT
Craferia Software and Automation Testing
By- Abhishek Tiwari

1. Test Plan Id: CEF_ST_TP_001

2. Introduction:

- ✓ This is the System Test Plan for Craferia Export Website, an e-commerce platform facilitating the sale of handmade crafts and artisanal products globally.
- ✓ The website includes interfaces for both customers and administrators.
- ✓ Customers can browse products, place orders, and manage their accounts. Administrators can manage product listings, customer orders, and website content.
- ✓ The primary goal of the system is to provide a seamless online shopping experience and efficient administration for Craferia Export.

3. Test Items:

- ✓ Customer Interface
- ✓ Administrator Interface
- ✓ Product Management
- ✓ Order Processing
- ✓ Payment Gateway
- ✓ Website Security

4. References:

- ✓ Requirements
- ✓ Project Plan
- ✓ Test Strategy
- ✓ Use Cases
- ✓ High-Level Design Documents
- ✓ Low-Level Design Documents
- ✓ Process Guidelines
- ✓ Prototypes

5. Features to be tested:

a) Customer Interface:

- User Registration
- Product Browsing and Search
- Cart Management
- Order Placement
- Account Management

b) Administrator Interface:

- Product Listing and Editing

- Order Management
- Customer Management
- Content Management

c) Product Management:

- Add new product
- Edit product details
- Remove product
- Product categorization

d) Order Processing:

- Order Confirmation
- Order Fulfillment
- Order Cancellation

e) Payment Gateway:

- Payment processing
- Transaction Security

f) Website Security:

- SSL Certificate
- User Authentication
- Data Encryption

6. Features not to be tested:

- N/A

7. Entry Criteria:

a) Test Design:

- Team formation, responsibilities, schedule, requirements, test case template.
- Training on domain and automation tools.

b) Test Execution:

- Readiness of the test environment.
- Availability of test case documents, test data, and defect report templates.

8. Exit Criteria:

- All identified test cases executed.
- Critical defects fixed, and final regression testing performed successfully.
- Confidence in the testing process.
- Time and budget limitations met.

9. Suspension Criteria:

- Show-stopper bugs discovered.
- Vendor issues.
- Significant changes in requirements.
- High volume of unresolved defects.

10. Roles and Responsibilities:

S.NO	NAME	ROLE	RESPONSIBILITIES
1	Abhishek Tiwari	Test Lead	Test planning, guidance, monitoring, and control.
2		Sr. Tester	Test data collection, generating test scenarios.
3		Tester	Test case documentation, execution, defect reporting and tracking for Customer Interface.
4		Tester	Test case documentation, execution, defect reporting and tracking for Administrator Interface.

11. Schedule:

S. NO.	TASK	DAYS	DURATION
1	Understanding and Analyzing requirements	2	Jan 02 – Jan 03
2	Generating Test scenarios	2	Jan 04 – Jan 05
3	Test case Documentation	1	6-Jan
4	Test data collection	1	7-Jan
5	Verifying Test Environment Setup	1	8-Jan
6	Create Test Batches	1	9-Jan
7	Sanity Testing	1	10-Jan
8	Comprehensive testing	4	Jan 11 – Jan 14
9	Sanity Testing	1	15-Jan
10	Selecting Test Cases	1	16-Jan
11	Regressing Testing	2	Jan 17 – Jan 18
12	Sanity Testing	1	19-Jan
13	Selecting Test Cases	1	20-Jan
14	Regression Testing cycle -2	2	Jan 21 – Jan 22
15	Final Regression	5	Jan 23 – Jan 27
16	Evaluating Exit Criteria	1	28-Jan
17	Collecting all artifacts	1	29-Jan
18	Test Summary Report	1	30-Jan

12. Training:

- Training program on E-commerce Domain.
- Test Automation Training using Selenium.

13. Risks and Mitigations:

- Team member availability.
- Vendor issues.

- Time constraints.
- Budget limitations.

14. Test Environment/Lab:

- Application Type: Web Application, E-commerce
- Server Side:
 - Windows Server
 - Apache Web Server
 - MySQL Database
 - Bug Tracking Tool
 - Version Control System
 - Selenium for Automation
- Client Side:
 - Various Browsers (Chrome, Firefox, Safari)
 - Operating Systems (Windows, MacOS)

15. Test Deliverables:

- Test Plan
- Review Reports
- Requirement Traceability Matrix (RTM)
- Test Scenario Documents
- Test Case Documents
- Test Data
- Opened and Closed Defect Reports
- Test Summary Report

16. Approvals:

There was no need for approval as all the tasks are performed by me itself.

17. Glossary:

- AUT: Application Under Test
- SSL: Secure Sockets Layer
- E-commerce: Electronic Commerce