

TEST PLAN

Project Name:Puma Web Application

Prepared By: Nashrah

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1. Introduction

The purpose of this document is to outline the automation testing strategy, scope, and approach for the Puma web application. This plan details the objectives, schedule, roles, and responsibilities involved in the testing process to ensure thorough validation of core functionalities, performance, and compatibility.

AUT (Application Under Test): <https://in.puma.com/in/en>

2. Objectives

- To automate the verification and validation of the core functionalities of the Puma web application, including product search, cart management, checkout, and user account management.
- Ensure the automated tests are compatible across different web browsers and devices.

3. Scope

This test plan covers functional, compatibility, and regression testing for the Puma web application, focusing on major user flows and responsiveness.

4. Testable Features

- User Registration and Login
- Product Search and Filtering
- Product Details Page
- Add to Cart and Cart Management
- Checkout Process (including payment simulation)
- User Account Management
- Wishlist Functionality
- Responsive Design on various devices
- Promotions and Discounts
- Product Reviews and Ratings
- Navigation and Site Performance

5. Testing Approach

Testing Types:

- Automated Functional Testing

- Compatibility Testing
- Regression Testing
- User Acceptance Testing (UAT)

Testing Methodologies:

- Black-box Testing
- Exploratory Testing
- Automation using Cypress framework

Testing Environment:

- UAT Environment
- Supported Browsers: Chrome, Firefox, Safari, Edge
- Supported OS: Windows 10/11, macOS, iOS, Android

6. Roles/Responsibilities

Name	Role	Responsibilities
Nashrah	Test Lead	Manage the test plan, review test cases, assign testing tasks
Team Members	Test Engineers	Execute test cases, report defects, perform root cause analysis

7. Test Schedule

Task	Duration
Test Plan Creation	Nov 14, 2024
Test Scenario Creation	Nov 14-15, 2024
Automation Script Creation	Nov 15, 2024
Test Case Creation	Nov 16, 2024
Test Execution	Nov 17, 2024

8. Test Deliverables

- Test Plan Document
- Automated Test Scripts (Cypress)
- Test Scenarios and Test Cases
- Defect Reports
- Test Summary Report

9. Entry & Exit Criteria

Entry Criteria:

- Approved requirements and design documents
- Test environment setup completed
- Test data prepared and Cypress framework configured

Exit Criteria:

- Execution of all planned automated test cases
- All critical defects resolved
- Test Summary Report completed

10. Risks & Mitigation Plans

Risk	Mitigation Plan
Unclear requirements	Maintain regular communication with stakeholders for clarification
Browser compatibility issues	Perform early testing across supported browsers
Tight timelines	Prioritize critical test cases and optimize testing efforts

11. Approval

Testing will only proceed to subsequent phases after obtaining necessary approvals on:

- Test Plan
- Test Scenarios
- Test Cases
- Reports