Test Plan for Four H Group

Test Plan ID: TP-fourhgroup-001

Introduction

This test plan explains how the Four H Group website will be tested, covering the goals, key areas, and steps to check its functionality, security, performance, and compatibility. Since it represents a large garment exporter, ensuring its reliability and user experience is crucial for maintaining its reputation and business efficiency.

Application Overview

The Four H Group website provides information about the company's operations, history, capabilities, and achievements. It serves as a key platform for potential clients, partners, and employees to learn about the organization's expertise in garment manufacturing and exporting.

Purpose

The purpose of this test is to ensure the Four H Group website operates efficiently, securely, and reliably. It will evaluate functionality, user experience, performance, and security to provide a seamless experience. The test will verify proper page operation, fast loading, cross-device compatibility, and protection of company data.

Test Items

List of the specific modules of the Four H Group website that will be tested:

- **Company Information:** Overview of Four H Group, history, achievements, and services.
- **Navigation:** Main menu, internal links, and dropdown functionalities.
- **Product & Services:** Information on manufacturing capabilities, dyeing unit, and other services offered.
- **Contact Us:** Contact form, social media links, and customer inquiry options.
- **Global Components:** Header, footer, and consistency across different pages.

- **Responsive Design:** Website performance across various devices (desktop, tablet, mobile).

References

Documents and standards referred to during the test planning and execution phase:

- **IEEE 829 Test Documentation Standard**: For test case and documentation structure

Features to be Tested

This section lists the website features to be validated during testing:

- Main features like the header, footer, and homepage.
- Company information, achievements, and operational details.
- Navigation, menu functionality, and internal links.
- About and News sections.
- UI components, responsiveness, and user experience.

Features Not to be Tested

Specifies what will be excluded from testing:

- External integrations or third-party services not directly handled by the website

Test Approach

The testing will follow a phased approach, starting with requirement analysis, planning, and test case creation. Testing cycles will cover functionality, performance, and compatibility. Defects will be logged, tracked, and resolved, with regression testing conducted after fixes. Manual testing will be used, with no automation in this phase. Progress will be monitored and reported to stakeholders.

Entry Criteria

Conditions that must be met before testing can begin:

- Finalized website requirements and features.
- Test cases reviewed and approved by stakeholders.

- Proper test environment set up, including devices and browsers for compatibility testing.

Exit Criteria

Conditions to be fulfilled before the testing phase can be closed:

- All critical test cases executed successfully.
- No high-severity defects remaining or unresolved.
- Test summary report completed and reviewed.

Suspension Criteria

Situations when testing may need to be paused:

- Major defects or blockers preventing further testing.
- Unavailability of required test data or issues with the test environment.

Roles and Responsibilities

Outlines the responsibilities of each team member:

- **Test Lead:** Responsible for planning, monitoring, and reporting the testing process.
- **QA Engineers:** Execute test cases and log defects.
- **Developers:** Fix reported defects.

Schedule

A timeline for each phase of testing:

- **Test Planning & Test Case Design**: Week 1
- **Test Execution**: Week 2
- **Defect Fixing & Regression Testing**: Week 3

Training

Training required for effective testing:

- **Domain Training:** Understanding the core functionalities of the Four H Group website, including company operations, service offerings, and user interactions, to ensure accurate and thorough testing.

- **Process Training:** Guidelines on manual testing techniques and strategies for assessing functionality, performance, and compatibility across the website.

Test Environment

Details the hardware and software required for testing:

- **Hardware:** Windows/Linux machines with 8GB RAM, SSD storage.
- **Software:** Chrome, Firefox, Edge

Test Deliverables

Lists the documents and reports generated during testing:

- Test Plan Document
- Mind Map
- Test Scenarios
- Test Cases and Test Data
- Test Summary Report
- Bug Report

Approvals

Specifies who has the authority to approve the test plan and test results:

- QA Lead, PM, Development Team.

Glossary

Defines key terms used in the document for clarity:

- **QA:** Quality Assurance
- **PM:** Project Manager