KONA Digital Website - Requirement

# Test Plan Creation -

## 1. Objective

The objective of this test plan is to define the testing strategies, objectives, scope, resources, and schedule for the Kona Digital website (https://konadigital.in/). This plan will ensure that the website meets its functional, performance, and usability requirements.

## 2. Scope of Testing

Features and Functionalities to be Tested:

- Home Page: Verify the loading time, layout, and links.

- About Us Page: Validate content accuracy, layout, and team member details.

- Services Page: Check the list of services, descriptions, and links.

- Portfolio/Gallery Page: Ensure images are displayed correctly, and links to projects are functional.

- Blog: Verify content, categorization, search functionality, and links.

- Contact Us Page: Test the contact form, submission process, and map integration.

- User Registration and Login: Check the registration process, login, password reset, and user profile management.

- Search Functionality: Ensure the search feature works across the site.

- Responsive Design: Test the website's appearance and functionality on various devices (desktop, tablet, mobile).

- Browser Compatibility: Verify the website works correctly on different browsers (Chrome, Firefox, Safari, Edge).

- Performance Testing: Evaluate page load times and server response times.

- Security Testing: Check for vulnerabilities like SQL injection, XSS, and CSRF.

## 3. Testing Objectives

- Ensure the website functions as intended across all supported devices and browsers.

- Verify that the website meets performance criteria.

- Validate the accuracy and completeness of content.

- Ensure the website is secure from common vulnerabilities.

- Confirm the website provides a good user experience.

## 4. Testing Approach and Strategies

Functional Testing:

- Manual Testing: To verify each feature manually against the requirements.

- Automated Testing: Use automation tools to run regression tests on critical functionalities.

Performance Testing:

- Load Testing: Simulate multiple users accessing the site simultaneously to check performance.

- Stress Testing: Evaluate the website's behavior under extreme load conditions.

Usability Testing:

- User Testing: Gather feedback from real users about the website’s usability.

- Heuristic Evaluation: Conduct expert reviews to identify usability issues.

Security Testing:

- Code Review: Review code for security flaws.

## 5. Resources Required

Tools:

- Functional Testing Tools: Selenium

- Performance Testing Tools: JMeter

- Security Testing Tools: Burp Suite

- Usability Testing Tools: UserTesting

Team Members:

- Test Manager: Oversees the testing process.

- Test Engineers: Execute tests and report issues.

- Automation Engineers: Develop and maintain automated tests.

- Performance Testers: Conduct performance testing.

- Security Testers: Perform security testing.

- Usability Analysts: Conduct usability testing.

## 6. Test Deliverables

- Test Plan Document: Outlines the testing strategy and scope.

- Test Cases: Detailed test scenarios and steps.

- Test Data: Data required for testing.

- Defect Reports: Documentation of identified issues.

- Evidence Report: Providing the error report with proof.