

ACME Website Test Plan

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1. Introduction

This document defines a comprehensive test plan for the ACME website (<https://demo.applitools.com/>). It covers the objectives, scope, testable features, testing methodology, schedule, deliverables, roles, and criteria for successful entry and exit. The goal is to ensure the website operates correctly across various devices, browsers, and resolutions while maintaining visual consistency.

2. Objective

The primary objective of this test plan is to:

- Ensure the website's visual consistency across different devices, browsers, and resolutions.
- Validate that all interactive elements (e.g., buttons, links) function as intended.
- Confirm that the website is responsive and compatible with various screen sizes.

3. Scope

This test plan covers the following aspects of the ACME Demo Website:

- **Visual Testing:** Ensuring consistency in layout, fonts, colors, and UI elements.
- **Functional Testing:** Testing the functionality of buttons, forms, navigation, etc.
- **Responsive Testing:** Ensuring the website displays properly on desktops, tablets, and mobile devices.
- **Cross-Browser Testing:** Testing the compatibility with popular browsers like Chrome, Firefox, Edge, and Safari.

4. Testable Features

The following features will be tested:

1. **Homepage:** Verify visual elements (header, banner, content sections, footer) and responsive behavior.
2. **Login Functionality:** Test login process (if applicable), including validation of username/password fields, and any error messaging.
3. **Navigation Bar:** Ensure all navigation links work, highlighting the current page, and responsiveness across devices.
4. **Interactive Elements:** Verify buttons, forms, and other interactive components across pages.
5. **Featured Content Areas:** Validate the display of main content sections and any dynamic content loading correctly.
6. **Contact Form:** Test form submission, validation, and proper error handling (if any).

5. Testing Approach

The testing approach is divided into **manual testing** for functional aspects and **automated visual regression testing** using AppliTools Eyes for visual consistency checks.

Testing Methods:

- **Visual Regression Testing:**
 - Use AppliTools Eyes to capture baseline screenshots of the website. Future updates will be compared to the baseline to detect unintended visual changes.
- **Functional Testing:**
 - Perform manual testing to ensure the functionality of all interactive elements such as buttons, links, forms, and navigation menus.

- **Responsive Testing:**
 - Manually test the responsiveness of the website by resizing the browser window and checking on different devices (desktops, tablets, and mobiles).
- **Cross-Browser Testing:**
 - Verify compatibility across major browsers (Chrome, Firefox, Safari, Edge).

6. Roles and Responsibilities

| Role | Responsibility |
|------------------------|---|
| Test Lead | Plan, organize, and manage the testing process. Ensure the execution of the test cases, and document the overall results. |
| Tester | Execute test cases, perform manual testing, document results, and raise bugs in the bug-tracking tool. |
| Developer | Address and fix bugs identified during testing and ensure proper updates are made to the website. |
| Project Manager | Review and approve the final test report. Ensure alignment with project goals. |

7. Test Schedule

| Task | Duration | Estimated Dates |
|---|----------|-----------------------|
| Planning & Test Case Creation | 2 days | October 2 - October 3 |
| Test Execution & Bug Reporting | 2 days | October 3 - October 4 |
| Final Review and Sign-off | 1 day | October 5 |

8. Test Deliverables

The key deliverables for the test plan are:

1. **Test Plan:** This document, outlining the test objectives, scope, and execution strategy.
2. **Test Scenario:** This document contains all the test scenarios.
3. **Test Cases:** A list of test cases that cover all testable features and expected outcomes.
4. **Test Results:** A report containing the pass/fail status of test cases, screenshots of visual test results, and details of any bugs discovered.
5. **Bug Report:** Documented list of any bugs, with steps to reproduce, screenshots, and severity levels
6. **Bug Summary Report:** This document contains all the bug details.
7. **Requirement Traceability Matrix:** Document that tracks the relationship between requirements and other artifact

9. Entry and Exit Criteria

Entry Criteria:

- The testing environment is set up and available.
- Test cases have been written and reviewed.
- All required browsers and devices are available for testing.

Exit Criteria:

- All test cases have been executed.
- All high-severity and critical bugs have been resolved.
- Visual regression testing shows no significant changes from the baseline.

- Functional testing is complete, and no major functionality is broken.
- The test summary report has been created and reviewed.

10. Approvals

This test plan requires approval from the following stakeholders before the testing can proceed:

| Stakeholder | Approval Status |
|------------------|-----------------|
| Test Lead | Pending |
| Project Manager | Pending |
| Development Lead | Pending |

Revision History

| Version | Date | Author | Changes |
|---------|-----------|-----------|---------------|
| 1.0 | 2/10/2024 | Test Lead | Initial Draft |