

TEST PLAN

Project Name: Proxify Web Application

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1. Introduction

The purpose of this test plan is to define the testing strategy, scope, and deliverables for the Proxify web application, specifically the login functionality. This plan ensures the reliability, usability, and security of the login system.

AUT: <https://proxify.gg/login>

2. Objectives

- Validate the login functionality for different types of users.
 - Ensure secure authentication mechanisms.
 - Verify compatibility across browsers and devices.
 - Identify and report any defects in the login flow.
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3. Scope

This test plan covers:

- Functional Testing
 - UI/UX Testing
 - Compatibility Testing (Browsers & Devices)
 - Security Testing
 - Performance Testing
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4. Testable Features

- Login Page UI (input fields, buttons, error messages)
 - User Login (valid and invalid credentials)
 - Forgot Password functionality
 - Logout functionality
 - Session management (timeout, multi-device login handling)
 - Security aspects (SQL injection, brute-force attack prevention, CAPTCHA verification)
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5. Testing Approach

Testing Types:

- **Functional Testing:** Validate login behavior, input validations.
- **Security Testing:** Check encryption, token-based authentication, and session expiration.
- **Compatibility Testing:** Test across Chrome, Firefox, Edge, and Safari.
- **Usability Testing:** Evaluate user experience and error messages.
- **Performance Testing:** Measure login speed and system response under load.

Testing Methodologies:

- Black-box Testing
- White-box Testing (if applicable)
- Exploratory Testing
- Regression Testing

Testing Environment:

- Browsers: Chrome, Firefox, Edge, Safari
 - Operating Systems: Windows, macOS, Android, iOS
 - Tools: Selenium, Postman, OWASP ZAP (for security testing), JMeter (for performance testing)
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6. Roles & Responsibilities

Name	Role	Responsibilities
[Your Name]	Test Lead	Plan, review, and oversee testing activities
[rashmi ninawe]	Test Engineer	Execute test cases, report defects
[rashmi ninawe]	Automation Engineer	Develop and run automated test scripts

7. Test Schedule

Activity	Start Date	End Date
Test Planning	[6/03/2025]	[7/03/2025]
Test Case Preparation	[6/03/2025]	[7/03/2025]
Test Execution	[6/03/2025]	[7/03/2025]
Defect Reporting & Retesting	[6/03/2025]	[7/03/2025]
Test Summary Report	[6/03/2025]	[7/03/2025]

8. Test Deliverables

- Test Plan
 - Test Cases
 - Defect Reports
 - Test Summary Report
 - Automation Scripts (if applicable)
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9. Entry & Exit Criteria

Entry Criteria:

- Login module is developed and ready for testing.
- Test environment is set up.

- Test cases are reviewed and approved.

Exit Criteria:

- All test cases executed.
 - All critical and major defects resolved.
 - Test summary report is reviewed.
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10. Tools

- **Tools:** Jira, TestRail, BrowserStack
 - **Resources:** Test Environment, Test Data
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11. Risks and Mitigation Plans

Risk	Mitigation Plan
Unclear Requirements	Frequent discussions with stakeholders
Environment Unavailability	Use alternative testing environments
Security Vulnerabilities	Perform in-depth security testing

12. Approvals

The following documents will be sent for approval before proceeding to the next phase:

- Test Plan
- Test Scenarios
- Test Reports