Sample Website / Application Testing Plan

# 1. Overview

This sample testing plan demonstrates how to apply the structured template with filled-in details for a web application covering login, form submission, and performance validation.

# 2. Scope

The scope of testing includes:  
- User Login functionality (username/password authentication).  
- Contact Form submission with data validation.  
- Homepage load performance under normal and peak conditions.  
- Cross-browser testing on Chrome, Edge, and Firefox.

# 3. Objectives

- Validate that login functionality enforces proper authentication and error handling.  
- Ensure form data is validated, stored, and confirmation messages are shown correctly.  
- Confirm homepage loads within 3 seconds under normal load and 5 seconds under peak load.  
- Check browser compatibility and consistent behavior.

# 4. Test Cases & Procedures

\*\*Test Case 1: User Login\*\*

Test ID: TC-LOGIN-001  
Description: Validate user login with valid and invalid credentials.  
Preconditions: Test environment active; valid user account exists.  
Steps:  
 1. Navigate to login page.  
 2. Enter valid credentials and submit.  
 3. Repeat with invalid credentials.  
Expected Results:  
 - Valid credentials log the user in successfully.  
 - Invalid credentials display an appropriate error message.  
Status: Pending execution.

\*\*Test Case 2: Contact Form Submission\*\*

Test ID: TC-FORM-002  
Description: Validate that the contact form accepts valid data and rejects invalid entries.  
Preconditions: Test environment active.  
Steps:  
 1. Navigate to the Contact Us page.  
 2. Enter valid data in all fields and submit.  
 3. Enter invalid email format and submit.  
Expected Results:  
 - Valid submission shows success confirmation and data is stored in the database.  
 - Invalid email submission shows validation error.  
Status: Pending execution.

\*\*Test Case 3: Homepage Load Performance\*\*

Test ID: TC-PERF-003  
Description: Validate that homepage load performance meets SLAs.  
Preconditions: Test environment active with load testing tool configured.  
Steps:  
 1. Launch homepage under normal load (100 concurrent users).  
 2. Launch homepage under peak load (1000 concurrent users).  
Expected Results:  
 - Homepage loads within 3 seconds under normal load.  
 - Homepage loads within 5 seconds under peak load.  
Status: Pending execution.

# 5. Roles & Responsibilities

- QA Engineer: Execute login and form submission tests.  
- Performance Tester: Run load tests using JMeter.  
- Developer: Resolve defects, validate bug fixes.  
- Test Lead: Oversee test execution, compile reports.

# 6. Reporting & Metrics

Sample report metrics:  
- Total Test Cases: 3  
- Executed: 0 (Pending)  
- Defects Logged: N/A  
- Performance Benchmark: Homepage target load time (3s normal, 5s peak).