

# **Test Plan Document**

**Application Under Test:** Demo Web Application – Login Module

**Tested URL:** <https://practice.expandtesting.com/login>

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**Environment:** Web Browser (Google Chrome)

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## **1. Objective**

The objective of this test plan is to define the testing strategy, scope, resources, and approach for validating the Login functionality of the demo web application. The plan focuses on ensuring that users can log in successfully using valid credentials and appropriate validation messages are displayed for invalid inputs.

## **2. Scope**

### **In Scope**

- Login page functionality
- Username and password input validation
- Successful login with valid credentials
- Error handling for invalid credentials

### **Out of Scope**

- Signup / Registration functionality
- Performance testing
- Security testing

### **3. Testing Approach**

- Manual testing will be performed
- Black-box testing approach will be used
- Login functionality will be validated using predefined test cases
- Boundary Value Analysis (BVA) and Equivalence Partitioning (EP) techniques will be applied
- Retesting will be conducted for previously identified defects

### **5. Resources Required**

- Tester: 1 (Self)
- Tools:
  1. Web browser (Google Chrome)
  2. Google Sheets (for test cases and bug tracking)
- Hardware: Laptop

### **6. Entry Criteria**

- Application is accessible through the browser
- Test plan is prepared and reviewed
- Test data (login credentials) is available

## 7. Exit Criteria

- All planned login test cases are executed
- Defects identified during testing are documented
- Retesting of reported bugs is completed
- Test results are reviewed and finalized

## 8. Test Deliverables

- Test Plan Document
- Login Test Cases (8 test cases)
- Bug Report (1 defect)

## 9. Testing Schedule

| DAY   | Activity                           |
|-------|------------------------------------|
| Day 1 | Test plan preparation              |
| Day 2 | Login test case execution          |
| Day 3 | Bug Retesting and review           |
| Day 4 | Final Documentation and submission |

## **10. Risks and Assumptions**

### **Risks**

- Application downtime may delay testing
- Browser compatibility issues

### **Assumptions**

- Login credentials provided are valid
- Application behavior remains consistent during testing