

# **TEST PLAN — Manual QA Web Application**

## **1. Introduction**

This test plan describes the testing approach, scope, and activities for manual testing of a web-based application.

The purpose of this testing is to ensure that the core functionalities work as expected and that major defects are identified and reported.

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## **2. Objective**

The objective of this testing is to:

- Verify that core user functionalities work correctly
  - Identify functional defects in the application
  - Ensure basic usability and validation rules are followed
  - Simulate a real-world junior QA testing workflow
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## **3. Application Overview**

The application under test is a web-based system that includes the following main features:

- User registration
  - User login
  - Basic user interactions and validations
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## **4. Test Scope**

### **In Scope**

- Functional testing of registration and login features
- Positive and negative test scenarios
- Basic UI validation
- Manual regression testing of core flows
- Bug reporting and retesting

### **Out of Scope**

- Automation testing
  - Performance testing
  - Security testing
  - Mobile application testing
  - Backend and database testing
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## 5. Test Types

The following test types will be performed:

- Functional testing
  - Regression testing
  - Exploratory testing
  - Positive and negative testing
  - Basic UI testing
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## 6. Test Environment

- Application type: Web application
  - Browsers:
    - Google Chrome
    - Mozilla Firefox
  - Operating System:
    - Windows 10
  - Test data:
    - Test user accounts
    - Valid and invalid input data
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## 7. Test Approach

Testing will be performed manually based on predefined test cases.

Each test case will include:

- Preconditions
- Step-by-step actions
- Expected results

Defects identified during testing will be documented with:

- Clear reproduction steps
- Expected vs actual results
- Severity and priority

Retesting will be performed after defect fixes where applicable.

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## 8. Entry and Exit Criteria

### Entry Criteria

- Application is accessible
- Test environment is available
- Test cases are prepared

### Exit Criteria

- All planned test cases are executed
  - Critical and major defects are reported
  - Test results are documented
  - No blocking issues remain unreported
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## 9. Deliverables

The following documents will be produced:

- Test Plan
  - Test Cases
  - Bug Reports
  - Test execution results
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## 10. Roles and Responsibilities

- **QA Tester:** Test case creation, test execution, bug reporting, retesting
- **Developer (simulated):** Bug fixing and clarification (assumed for practice project)

(This wording is perfect for a practice project.)

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## 11. Risks and Assumptions

### Risks

- Limited application scope
- No real production environment

- Limited test data

## **Assumptions**

- The application functionality remains stable during testing
  - Bugs are assumed to be fixed for retesting purposes
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## **12. Approval**

This test plan is created for demonstration purposes to reflect a junior manual QA testing process.