

Test Plan

Project Name: Orange HRM

Application Under Test: <https://opensource-demo.orangehrmlive.com>

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1. Introduction

The purpose of this test plan is to validate the OrangeHRM social features including login, post creation, post deletion, like, comment and Share functionalities. The goal is to ensure that employees can interact socially within the platform without defects.

2. Test Objectives

- Verify login with valid and invalid credentials.
- Validate that users can create, edit and delete posts.
- Ensure posts can be liked/unliked by users.
- Verify commenting functionality works correctly.
- Ensure APIs return correct responses.

3. Test Approach

Manual Testing: Functional, UI, Negative, Boundary testing.

Automation Testing: Selenium + TestNG for login and post feature.

API Testing: N/A

4. Test Deliverables

Test Plan (PDF)

Test Cases (Excel)

Bug Reports (Excel)

Automation Scripts (GitHub repo)

API Test Collection (Postman)

Test Summery Report (PDF)

5. Test Environment

OS: Windows 11

Browser: Chrome v140

Tools: Selenium, TestNG, Jira, Postman and GitHub

6. Entry & Exit Criteria

Entry:

- Application deployed on staging environment.
- Test data are ready.
- Test plan & cases reviewed and approved.

Exit:

- All planned test cases executed.
- No open critical/high severity defects.

7. Roles & Responsibilities

QA Engineer (Me): Test design, execution, bug reporting and automation scripts.

Developer: Bug fixing.

QA Lead: Review and approve test plan, oversee execution.

8. Schedule

Test Case Writing: Day 1–2

Execution: Day 3–4

Automation: Day 5–7

API Testing: Day 8

Reporting: Day 9–10

9. Approvals

Prepared By: _____

Reviewed By: _____

Approved By: _____