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### **-: Test Plan for** [**Orange HRM**](https://www.orangehrm.com/) **Website :-**

#### **Introduction**

The OrangeHRM website is a platform that provides Human Resource Management solutions. This test plan explains how to test the website using Cypress to ensure its functionality, usability, security, and performance meet high-quality standards.

#### **Objectives**

The main objectives are:

1. Confirm all features work correctly.
2. Ensure a seamless user experience across devices and browsers.
3. Validate the website’s security.
4. Test the performance under different conditions.
5. Identify and fix bugs before releasing the product to users.

#### **Scope of Testing**

The testing covers:

1. **Assertion Implementation**:
   * Verifying page titles and URLs after successful login.
   * Validating error messages when invalid credentials are entered.
   * Ensuring elements like the dashboard menu are visible after login.
   * Identifying testable scenarios .
   * Positive Test: Login with valid credentials.
     1. Negative Tests: Login with invalid credentials or empty fields.
     2. UI Validation: Ensure all required elements are present on the pages.
     3. Navigation Test: Check if the dashboard page loads correctly after login.
   * Developing detailed test cases based on these scenarios.

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#### **Testable Features**

1. Login page
2. Admin page.
3. PIM
4. Performance, Dashboard,Directory,Maintenance,claim.ETC
5. These are the features which are present in the OrangeHRM Website which we need to test using Cypress

#### **Testing Approach**

1. Use Cypress for automation testing to validate functionality, responsiveness, and data security.
2. Perform cross-browser and cross-device compatibility checks.
3. Conduct security tests for form validation and data protection.
4. Execute regression tests after updates.
5. Conducting load scenarios to test performance.

#### **Roles and Responsibilities**

* **As a tester these are my responsibilities for this project :-**
* Write, maintain, and execute Cypress scripts for functionality, responsiveness, and security testing. Report defects, ensure regression coverage, and validate fixes. Collaborate with the team to clarify requirements and contribute to testing documentation.

#### **Test Schedule**

Testing will follow these phases:

1. **Planning:** Define scope, objectives, and approach.
2. **Test Case Creation:** Develop test scripts using Cypress.
3. **Environment Setup:** Prepare the test environment.
4. **Execution:** Run automated tests and report issues.
5. **Bug Fix Verification:** Retest resolved bugs.
6. **Final Validation:** Perform final checks before release.

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#### **Test Deliverables**

The key deliverables include:

1. Test plan document.
2. Cypress test scripts.
3. Test execution logs.
4. Defect reports and resolution updates.
5. Final test summary.

#### **Entry and Exit Criteria**

**Entry Criteria:-**

* Requirements and designs are finalized.
* Test environment is ready.
* Test scripts are reviewed.

**Exit Criteria:-**

* All critical bugs are resolved.
* All test cases are executed with acceptable pass rates.

#### **Tools**

The project will use:

1. **Cypress:** For automation testing.
2. **Google Docs :** For writing Test plan and report, Bug report & Summary report.
3. **Visual Studio Code:** For writing the Scripts of Tests.
4. Miro: For designing Mind Map

**Approvals**

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