



Test Plan Execution Report

Test Project: QA Capstone Project
Test Plan: Test Plan for QA Capstone Project
Test Suite: Recruitment Module - Candidates

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Test Project: QA Capstone Project

The project focuses on testing the **Login** and **Recruitment** modules of the OrangeHRM system.

The goal is to validate the system's functionality, usability, and performance through manual, automation, and performance testing.

Test Plan: Test Plan for QA Capstone Project

Test Plan for QA Capstone Project

1. Introduction
- This Test Plan outlines the testing approach, objectives, scope, deliverables, and schedule for the QA Capstone Project to be completed in one week. The project focuses on the Login and Recruitment modules of OrangeHRM, covering manual testing, automation with Cypress, and performance testing with K6.
1. Scope of Testing
1. Modules in Scope
- Login Module
 - Valid and invalid login attempts.
 - Field validation for username and password.
 - Error messages for invalid or empty inputs.
 - Recruitment Module
 - Adding a new candidate and vacancies.
 - Searching candidates and vacancies by different attributes.
 - Field validation for mandatory inputs during candidate and vacancies creation.
1. Test Strategy
1. Testing Types
- Functional Testing: Validate functionality of the Login and Recruitment modules.
 - Automation Testing: Automate critical E2E scenarios using Cypress.
 - Performance Testing: Measure the Login page's performance using K6 with parameterized scenarios.
1. Test Deliverables
- Test Cases (Manual and Automated).
 - Manual Test Execution Reports (via TestLink).
 - Cypress Automation Test Scripts and Reports.
 - K6 Performance Test Scripts and Results.
1. Test Execution Schedule

Phase	Activities	Start Date	End Date	Duration
Phase 1: Manual Testing	Test case preparation, execution, and reporting	Day 1	Day 2	2 Days
Phase 2: Automation Testing	Develop Cypress scripts and execute tests	Day 3	Day 4	2 Days
Phase 3: Performance Testing	Develop K6 scripts and analyze performance	Day 5	Day 5	1 Day

1. Roles and Responsibilities

Role	Responsibility
QA Lead	Manage test activities, review deliverables, and ensure quality.

QA Engineers Execute tests, write automation scripts, and analyze performance results.

1. Entry and Exit Criteria

- Entry Criteria
- SRS and Test Plan are approved.
- Test environment is ready.
- Test cases are prepared in TestLink.
- Exit Criteria
- All test cases are executed.
- No critical or high-severity defects remain unresolved.
- Test reports are finalized and shared with stakeholders.

1. Risk Management

Risk	Mitigation Plan
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Limited time for execution	Prioritize critical test cases and automate high-priority flows.
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Flaky automation tests	Stabilize scripts using retries and Cypress best practices.
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1. Test Cases Overview

- Login Module
- Test valid login with correct credentials.
- Test invalid login with incorrect credentials.
- Validate error messages for missing username and password fields.
- Recruitment Module
- Test adding a new candidate with valid details.
- Validate error messages for missing mandatory fields during candidate and vacancies creation.
- Search for candidates and vacancies by different attributes.

1. Tools

Purpose	Tool
Test Management	TestLink
Issue Tracking	Jira
Test Automation	Cypress
Performance Testing	K6
Performance Visualization	Grafana

1. Detailed Timeline

Day	Activity	Deliverable
Day 1	Prepare Test Cases and log them in TestLink.	Test cases prepared and logged in TestLink.
Day 2	Execute test cases manually and generate TestLink report.	Manual Test Execution Report.
Day 3	Develop Cypress E2E automation scripts.	Cypress scripts (Login and Recruitment flows).
Day 4	Execute Cypress tests, generate reports, and debug.	Cypress Test Report.

Day 5 Develop K6 scripts for Login performance testing, execute, and analyze. K6 Performance Report and Metrics.

1.1.Test Suite : Recruitment Module - Candidates

Attached files

- Test Cases : Functional_Test.xlsx
- Functional_Test.xlsx

Test Case QACP-6: Verify adding a new candidate [Version : 1]

Author:admin

Summary:

Recruitment Module	TC_Rec_01	Verify adding a new candidate	To ensure candidates can be added successfully	User must have access to the Recruitment module	1. Navigate to the Recruitment module.	Full Name: John Doe	Candidate is successfully added, and a confirmation message is displayed.
					2. Click "Add Candidate".	Email: johndoe@example.com	
					3. Enter valid details.	Contact: +123456789	
					4. Click "Save".	Job Title: Software Engineer	

Preconditions:

User must have access to the Recruitment module

#:	Step actions:	Expected Results:	Execution notes:	Execution Status:
1	1. Navigate to the Recruitment module. 2. Click "Add Candidate". 3. Enter valid details. 4. Click "Save".	Candidate is successfully added, and a confirmation message is displayed.	success	Passed

Execution type:Manual

Estimated exec. duration (min):

Priority:Medium

RequirementsNone

Keywords:None

Execution Details

BuildPhase 1 Manual Testing Build

Testeradmin

Execution Result:Passed

Execution Mode:Manual

Execution duration (min):5.00

Execution notesPass

Test Case QACP-7: Verify mandatory field validation [Version : 1]

Author:

admin

Summary:

Recruitment Module	TC_Rec_02	Verify mandatory field validation	To ensure the system validates mandatory fields	User must have access to the Recruitment module	1. Navigate to the Recruitment module.	Full Name: (Empty)	Error messages are displayed for missing mandatory fields.
					2. Click "Add Candidate".	Email: johndoe@example.com	
					3. Leave mandatory fields empty.	Contact: +123456789	
					4. Click "Save".	Job Title: Software Engineer	

Preconditions:

User must have access to the Recruitment module

#:	Step actions:	Expected Results:	Execution notes:	Execution Status:
1	1. Navigate to the Recruitment module. 2. Click "Add Candidate". 3. Leave mandatory fields empty. 4. Click "Save".	Error messages are displayed for missing mandatory fields.	success	Passed

Execution type:

Manual

Estimated exec. duration (min):

Priority:

Medium

Requirements

None

Keywords:

None

Execution Details

Build

Phase 1 Manual Testing Build

Tester

admin

Execution Result:

Passed

Execution Mode:

Manual

Execution duration (min):

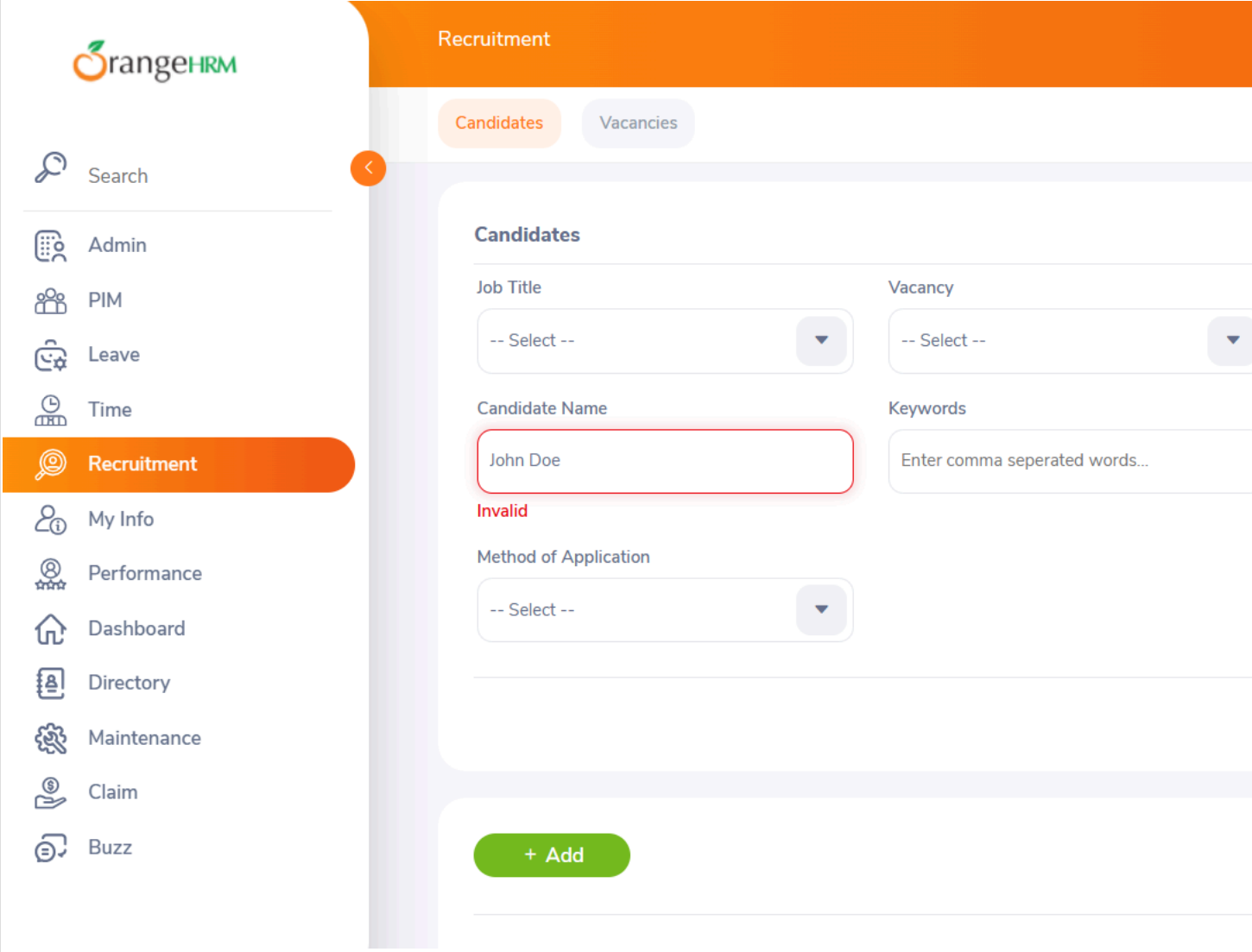
3.00

Execution notes

Pass

Test Case QACP-11: Verify searching for a candidate by name [Version : 1]						
Author:		admin				
Summary:						
Recruitment Module	TC_Rec_03	Verify searching for a candidate by name	To ensure candidates can be searched by name	At least one candidate must be available	1. Navigate to the Recruitment module.	Name
					2. Enter a candidate's name in the search field.	
					3. Click "Search".	

<u>Preconditions:</u> At least one candidate must be available		
<u>#:</u>	<u>Step actions:</u>	<u>Expected Results:</u>
1	1. Navigate to the Recruitment module. 2. Enter a candidate's name in the search field. 3. Click "Search".	Search results display all candidates with
<u>Execution type:</u>	Manual	
<u>Estimated exec. duration (min):</u>		
<u>Priority:</u>	Medium	
<u>Requirements</u>	None	
<u>Keywords:</u>	None	
Execution Details		
Build	Phase 1 Manual Testing Build	
Tester	admin	
<u>Execution Result:</u>	Failed	
<u>Execution Mode:</u>	Manual	
<u>Execution duration (min):</u>	5.00	
Execution notes	Fail. when writing the full name "John Doe" invalid error message displayed unless when start writing John then select from dropdown and click see	
Execution Attachments <ul style="list-style-type: none">candidate_name.png		



Test Case QACP-12: Verify searching for candidates by status [Version : 1]							
Author:		admin					
Summary:							
Recruitment Module	TC_Rec_04	Verify searching for candidates by status	To ensure candidates can be searched by status	At least one candidate must be available	1. Navigate to the Recruitment module. 2. Select a candidate status (e.g., "Shortlisted"). 3. Click "Search".	Status: Shortlisted	Search results display all candidates with the "Shortlisted" status.
Preconditions:							
At least one candidate must be available							
#:	Step actions:			Expected Results:		Execution notes:	Execution Status:

1	1. Navigate to the Recruitment module. 2. Select a candidate status (e.g., "Shortlisted"). 3. Click "Search".	Search results display all candidates with the "Shortlisted" status.	success	Passed
<u>Execution type:</u>	Manual			
<u>Estimated exec. duration (min):</u>				
<u>Priority:</u>	Medium			
<u>Requirements</u>	None			
<u>Keywords:</u>	None			
Execution Details				
Build	Phase 1 Manual Testing Build			
Tester	admin			
<u>Execution Result:</u>	Passed			
<u>Execution Mode:</u>	Manual			
<u>Execution duration (min):</u>	1.00			
Execution notes	Pass			

Test Case QACP-13: Verify updating candidate details [Version : 1]Author: adminSummary:

Recruitment Module	TC_Rec_05	Verify updating candidate details	To ensure candidate details can be updated successfully	Candidate must exist in the system	1. Navigate to the Recruitment module. 2. Select an existing candidate. 3. Update their details. 4. Click "Save".	Full Name: Jane Doe Updated Email: janedoe@example.com	Candidate details are successfully updated, and a confirmation message is displayed.
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Preconditions:

Candidate must exist in the system

#:	Step actions:	Expected Results:	Execution notes:	Execution Status:
1	1. Navigate to the Recruitment module. 2. Select an existing candidate. 3. Update their details. 4. Click "Save".	Candidate details are successfully updated, and a confirmation message is displayed.	success	Passed
<u>Execution type:</u>	Manual			
<u>Estimated exec. duration (min):</u>				
<u>Priority:</u>	Medium			
<u>Requirements</u>	None			
<u>Keywords:</u>	None			
Execution Details				
Build	Phase 1 Manual Testing Build			
Tester	admin			
<u>Execution Result:</u>	Passed			
<u>Execution Mode:</u>	Manual			
<u>Execution duration (min):</u>	3.00			
Execution notes	Pass			

Test Case QACP-14: Verify deleting a candidate [Version : 1]Author: adminSummary:

Recruitment Module	TC_Rec_06	Verify deleting a candidate	To ensure candidates can be deleted successfully	Candidate must exist in the system	1. Navigate to the Recruitment module. 2. Select an existing candidate. 3. Click "Delete". 4. Confirm deletion.	Candidate: John Doe	Candidate record is successfully deleted, and a confirmation message is displayed.
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Preconditions:

Candidate must exist in the system

#:	Step actions:	Expected Results:	Execution notes:	Execution Status:
1	1. Navigate to the Recruitment module. 2. Select an existing candidate. 3. Click "Delete". 4. Confirm deletion.	Candidate record is successfully deleted, and a confirmation message is displayed.	success	Passed
<u>Execution type:</u>	Manual			
<u>Estimated exec. duration (min):</u>				
<u>Priority:</u>	Medium			
<u>Requirements</u>	None			
<u>Keywords:</u>	None			
Execution Details				
Build	Phase 1 Manual Testing Build			
Tester	admin			
<u>Execution Result:</u>	Passed			
<u>Execution Mode:</u>	Manual			
<u>Execution duration (min):</u>	2.00			
Execution notes	Pass			

Execution time metrics

Time used for executing 6 test cases (min):19