

Class Assignment QC - 2

Overview

The purpose of this class assignment is to implement the concepts discussed in Quality Center Class.

Objectives

After completing the assignment you should be able to work on the following Quality Center sections:

- Requirements
- Test Plan
- Test Lab
- Defects
- Dashboard

Assignment 1 - Requirements

Create a Folder “Orange HRM” and add three requirements from Exhibit 1

Assignment 2 – Test Plan

1. Create a Folder Named “Orange HRM”
2. Write a Test Case from Exhibit 2 in Test Plan section. The test case must include specifics such as Test Case Name, Author, and Description.
3. Create Requirement Coverage for the Test case linking corresponding Requirement

Assignment 3 – Test Lab

1. Create a folder tree and Test Sets under a Parent Folder Orange HRM as below
 - a. February Release (Folder)
 - i. Functional Testing (Test Set)
 - ii. Regression Testing (Test Set)
 - iii. System Testing (Test Set)
 - b. June Release (Folder)
 - i. Functional Testing (Test Set)
 - ii. Regression Testing (Test Set)
 - iii. System testing (Test Set)
 - c. August Release (Folder)
 - d. December Release (Folder)

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2. Add the Test Case you wrote to February Release under Functional Testing Test set.
3. Execute the test case and document actual results.
4. Add a New defect based on the Defect on Exhibit 3

Assignment 4 - Defects

1. Customize the Defect View Based on Exhibit 4
2. Change the Defect Status Submitted to Open
3. Filter All defects with status Not Closed

Assignment 5 – Dashboard

4. Create a report for Requirement Coverage
5. Create test execution report
6. Create Defect status report

Assignment 5 – Homework

1. Develop the Test Cases for rest of the requirements in Exhibit 1
2. Perform Requirement Coverage for all test cases
3. Open Two more defects with proper defect information

Materials

We have attachment of sample test artifacts:

- Exhibit 1 – Sample Requirements
- Exhibit 2 – Sample Test Case
- Exhibit 3 – Sample Defect
- Exhibit 4 – Sample Defect View
- Exhibit 5 – Sample Dashboard Report

Evaluation

The evaluation will be based on the completion of the project, and the instructor will rate you from 1 to 5 scales, 5 being the highest.

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Exhibit 1 – Requirements

Project: Human resource management

Application Name: Orange HRM

Application URL: <http://opensource.demo.orangehrm.com>

Login Info: User Name and Password are given on the site

Submitted By: Mahbub Siddique

Req ID	Description	Type
URD 1	Job Titles - Users should be able to add a new job title	User
URD 2	Add Employee - Users should be able to add a new employee	User
URD 3	Holidays - Users should be able to add a new holiday to the list.	User

Exhibit 2 - Sample Test Case

Test Case ID: HRM TC 1

Test case Name: TC – Add a New Job Title

Description: The purpose of this test case is to test adding a new employee feature.

Author: Students

Comments: This is a practice test case for quality center class.

Step	Description/ Action	Expected Result	Actual R
Step 1	Launch IE, and Enter Application URL	Login Page Opens	
Step 2	Enter valid User name, Password and click Login	Home Page Opens	
Step 3	Click Admin> Job> Job Titles	Job Titles Page opens	
Step 4	Click "Add" button	Add job title page opens	
Step 5	Enter a New Job Title, Job Description, Note, and click on Save button	Job Titles page opens with the message "Job Title Added Successfully"	
Step 6	Click on Admin menu	Home Page Opens	

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Exhibit 3 - Sample defect

Assume that “Save” button is not functioning in Add a Job Title page. Here are a few points to remember while submitting defects:

Defect summary must be concise and specific about the location, and the problem

Description must include steps to reproduce including data that triggered the defect

All mandatory fields must be populated and defect status is “New”. You must attach a screenshot of the defect.

Here is the screenshot of the defect:

The screenshot shows the OrangeHRM interface for adding a new job title. The header includes the OrangeHRM logo and navigation tabs: ADMIN, PIM, LEAVE, TIME, RECRUITMENT, PERFORMANCE, and HELP. The main heading is "Add Job Title". The form contains the following fields:

- Job Title ***: A text input field containing "QA Analyst".
- Job Description**: A text area containing "This is a Job Description for QA Analyst position...".
- Job Specification**: A file upload section with a "Choose File" button and the text "no file selected". Below it, it says "Accepts up to 1MB".
- Note**: A text area containing "Note on the position goes here...".

At the bottom of the form, there are two buttons: "Save" and "Cancel". The "Save" button is highlighted with a red rectangular box.

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Exhibit 4 - Sample Defect View

Here is a sample defect view after customizing the columns to display for a defect.

Defects Edit View Favorites Analysis									
New Defect... X [Icons] Favorite: <None>									
	Defect ID	Assigned To	Detected By	Priority	Severity	Status	Subject	Summary	
[Icons]	1		students	3-High	4-Very High	New	USPS	System returned invalid zipcode	
[Icons]	2		students	2-Medium	3-High	New	YAHOO	Yahoo Signup - Unable to select Secret Question 1	
[Icons]	3	students	students	5-Urgent	4-Very High	Fixed	Orange HRM	Add Button on "Job Titles" page is disabled	
[Icons]	4	students	students		5-Urgent	New	FaceBook	Status update is not working	
[Icons]	5	students	students	4-Very High	4-Very High	Fixed	USPS v2	USPS v2 returns Incorrect Zipcode	
[Icons]	6	students	students	4-Very High	3-High	Open		Test Defect - Submit Button is Disable	
[Icons]	7	students	students	4-Very High	4-Very High	Open	Gmail	Gmail - Compose Mail Button is not enabled	

Exhibit 5 - Sample Dashboard Report

