

# IT5509

# Software Testing Fundamentals

## ASSIGNMENT 4

Frances Liu (PM)

Diljot Singh

Elliot Canton

## Table of Contents

<b>Test Plan</b>	4
1. Test Plan Identifier	4
2. Introduction	4
3. Test Items	4
4. Features to Be Tested	5
5. Features Not to Be Tested	6
6. Approach	6
7. Items Pass/Fail Criteria	7
Entry Criteria:	8
Exit Criteria:	8
8. Suspension and Resumption Requirements	8
9. Test deliverables	9
10. Testing Tasks	9
11. Environmental Needs	10
12. Responsibilities	10
13. Staffing and Training Needs	11
14. Schedule	11
15. Risk and Contingencies	12
16. Approvals	13
<b>Test Design Specification and Test Execution Report</b>	13
1. Test Cases for Test Condition T1 (Accuracy of Login Feature)	13
1.1 Test Case Execution for Test Case TC 1.1	15
1.2 Test Case Execution for Test Case TC 1.2	16
1.3 Test Case Execution for Test Case TC 1.3	17
1.4 Test Case Execution for Test Case TC 1.4	17
1.5 Test Case Execution for Test Case TC 1.5	18
2. Test Cases for Test Condition T2 (view my attendance records details)	19
2.1 Test Case Execution for Test Case TC 2.1	21
2.2 Test Case Execution for Test Case TC 2.2	21
2.3 Test Case Execution for Test Case TC 2.3	22
3. Test Cases for Test Condition T3 (search the result of employee attendance records)	23
3.1 Test Case Execution for Test Case TC3.1	24
3.2 Test Case Execution for Test Case TC3.2	25
3.3 Test Case Execution for Test Case TC3.3	26
3.4 Test Case Execution for Test Case TC3.4	27
4. Test Cases for Test Condition T4 (edit my timesheets records)	28
4.1 Test Case Execution for Test Case TC4.1	29
4.2 Test Case Execution for Test Case TC4.2	31
5. Test Cases for Test Condition T5 (view the employee timesheet records)	31
5.1 Test Case Execution for Test Case TC5.1	32
6. Test Cases for Test Condition T6 (add nationalities)	33
6.1 Test Case Execution for Test Case TC6.1	34
6.2 Test Case Execution for Test Case TC6.2	35

7. Test Cases for Test Condition T7 (add locations) .....	35
7.1 Test Case Execution for Test Case TC7.1.....	36
7.2 Test Case Execution for Test Case TC7.2.....	37
<b>Bug Report</b> .....	39
<b>Test Summary</b> .....	41
<b>Test Metrics</b> .....	42
<b>Traceability Matrix</b> .....	44
<b>References</b> .....	47

## Table of Figures

Figure 1 demonstrating correct username & correct password was entered .....	15
Figure 2 demonstrating user was able to log in successfully .....	15
Figure 3 demonstrating correct username & incorrect password was entered.....	16
Figure 4 demonstrating user was unable to log in .....	16
Figure 5 demonstrating incorrect username & correct password was entered.....	17
Figure 6 demonstrating user was unable to log in .....	17
Figure 7 demonstrating incorrect username & incorrect password was entered .....	18
Figure 8 demonstrating user was unable to log in .....	18
Figure 9 demonstrating no username & password was entered .....	19
Figure 10 demonstrating user was unable to log in, username & password was required.....	19
Figure 11 demonstrating a date from a month ago was chosen .....	21
Figure 12 demonstrating “My Attendance Records” details were displayed .....	21
Figure 13 demonstrating a date from a year ago was chosen .....	22
Figure 14 demonstrating “My Attendance Records” details were displayed .....	22
Figure 15 demonstrating a future date was chosen .....	22
Figure 16 demonstrating no “My Attendance Records” details were displayed.....	23
Figure 17 demonstrating the results of displaying employee records when selecting a date from one month ago .....	25
Figure 18 demonstrating changing the date of the records to 1 year ago .....	25
Figure 19 demonstrating the results of displaying employee records successfully .....	26
Figure 20 demonstrating changing the date of the records from 1 month in the future .....	26
Figure 21 demonstrating the result can be displayed .....	27
Figure 22 demonstrating searching Linda Anderson in the search bar .....	27
Figure 23 demonstrating the results of searching an employee name.....	28
Figure 24 demonstrating two new rows were edited.....	30
Figure 25 demonstrating two new rows were edited successfully.....	30
Figure 26 demonstrating changing the time of one current record .....	31
Figure 27 demonstrating the time of one current record can be changed successfully .....	31
Figure 28 demonstrating an employee name was entered .....	32

Figure 29 demonstrating no result displayed when searching by names .....32

Figure 30 demonstrating the number of nationality records before adding a new one, which is 194 34

Figure 31 demonstrating a new nationality was entered .....34

Figure 32 demonstrating the new nationality was added successfully, the number of records changed  
to 195 .....34

Figure 33 demonstrating a numeric value was entered as a nationality .....35

Figure 34 demonstrating a numeric nationality was added successfully .....35

Figure 35 demonstrating information about name, country, and postal code was entered .....37

Figure 36 demonstrating the location record was added successfully.....37

Figure 37 demonstrating information about name, country, and a random-letter postal code was  
entered .....38

Figure 38 demonstrating the location record was added successfully.....38

# Test Plan

## 1. Test Plan Identifier

Test Plan Identifier is a unique and descriptive code assigned to a specific test plan. It helps communication, traceability, and documentation through the whole testing process.

The Test Plan Identifier for this Test Plan is OrangeHRM\_Testing\_v1.

## 2. Introduction

This test plan outlines the scope and strategy of testing activities for OrangeHRM\_Testing\_v1 to Orange HRM <https://opensource-demo.orangehrmlive.com/>. The functionalities that need to be tested are the login feature and few of the time and admin features under Admin. This test plan follows the IEEE 829 format, which includes test items, features to be and not to be tested, testers, resources, approach, items pass/fail Criteria, schedule etc.

The scope of this test plan includes login feature, my records and employee records under attendance feature, my timesheets and employee timesheets under timesheets feature, and nationalities and locations under admin feature. Each test feature in this testing project has multiple test cases to ensure that the feature is tested properly.

A report for each text case will be generated at the end of test. All details about test steps, test data, expected results and actual results will be recorded. Bugs raised during testing will be recorded in the bug reports for the programmer's reference.

## 3. Test Items

Test Item ID	Test Items	Applicable Roles	Description	Functional Requirements
T1	Login	Customer	Accuracy of login feature will be tested.	By clicking on Orange HRM login users should be able to log in to see account details and access their data when correct user and password is entered.

T2	Time Attendance My Records	Customer	Accuracy of Time attendance My records feature will be tested.	By clicking on time attendance, the user should be able to view their time attendance.
T3	Time Attendance Employee Records	Customer	Accuracy of Time attendance Employee records feature will be tested.	By clicking on time attendance My records, users should be able to search their record of time attendance.
T4	Time Timesheets My Timesheets	Customer	Accuracy of Time timesheets and my timesheets feature will be tested.	By clicking on Time sheets My timesheets users should be able to edit their timesheets.
T5	Time Timesheets Employee Timesheets	Customer	Accuracy of Time timesheets and my timesheets feature will be tested.	By clicking on time timesheets Employee timesheets, the user should be able to see Employee timesheets.
T6	Admin Nationalities	Customer	Accuracy of Admin nationalities feature will be tested.	By clicking on admin nationalities, the user should be able to add the nationalities of employees.
T7	Admin Organization Locations	Customer	Accuracy of Organisation Locations feature will be tested.	By clicking on admin organization location, users should be able to search their countries.

## 4. Features to Be Tested

As per Panjabi (2020), Features to be tested are the software features that will be tested within the scope of a particular test plan.

This Test Plan will be focusing on the functional Testing of the seven main features of Orange HRMs Website i.e.

Login
-------

Time Attendance My Records
Time Attendance Employee records
Time Timesheets My Timesheets
Time Timesheets Employee Timesheets
Admin Nationalities
Admin Organization Locations

along with accuracy of the product related to functional requirements and specifications.

## 5. Features Not to Be Tested

As per Panjabi (2020), Features NOT to be tested are the software features that will not be tested within the scope of a particular test plan, explaining the reasons why those features will not be tested (Panjabi, 2020).

In this Test Plan, Database and Non-Functional Testing and security testing will not be getting tested, due to time restrictions and we do not have access to the database of the Orange HRM's Website.

## 6. Approach

According to LambdaTest (2023), the test approach is the actual application of testing strategy within a software testing project, outlines how the testing activities will be conducted, and provides insights into the methods used while performing various tasks.

For OrangeHRM\_Testing\_v1 test plan, Standard-compliant approach specified by industry-specific standards (IEEE829 standards) will be used. According to LambdaTest (2023), standard-compliant test strategy, also called process-compliant test strategy, involves following predefined frameworks, industry standards, and structured processes to ensure consistent and compliant testing practices.

## 7. Items Pass/Fail Criteria

Test Item ID	Test Condition	Pass Criteria	Fail Criteria
<b>T 01</b>	Login	Once the right username and password have been supplied, users should be able to login and view their account details by clicking on the online banking login link.	Users as an admin are unable to login once correct username & password details are entered.
<b>T 02</b>	Time Attendance_My Records	Users should be able to see his attendance record.	Admins are unable to see their attendance record.
<b>T 03</b>	Time_Attendance_Employee Records	Employees should be able to see employee attendance records. By searching for a name.	As an admin employee is not able to see their record for the attendances by searching username.
<b>T 04</b>	Time_Timesheets_My Timesheets	As an admin, they want to check their timesheets, So that they can edit their timesheets details.	Admins are unable to view their timesheets.
<b>T 05</b>	Time_Timesheets_Employee Timesheets	As an admin, they want to check employee timesheets, So that they can view employee timesheets.	Admins are not able to check the employee timesheets.
<b>T 06</b>	Admin_Nationalities	As an admin, they want to check the nationalities, So that they can add their nationality.	Admins are not able to check their nationalities, or they are not able to add their nationality.
<b>T 07</b>	Admin_Organization_Locations	As an admin, they want to check their	Admin wants to check their location,



		location, So that they can search their country.	but they are not able to search by the country.
--	--	--------------------------------------------------------	-------------------------------------------------------

### Entry Criteria:

Following conditions must be met before proceeding to testing stage:

- All requirements are to be approved and defined.
- The partial or complete testable code is available.
- Test cases are readily available.
- Data for testing is sufficient in nature and available.
- The testing environment is set up, and the tools are available to all.

### Exit Criteria

- Verify if All tests planned have been run.
- Verify if the level of requirement coverage has been met.
- Verify if there are NO Critical or high severity defects that are left outstanding.
- Verify if all high-risk areas are completely tested.
- Verify if software development activities are completed within the projected cost.
- Verify if software development activities are completed within the projected timelines.

## 8. Suspension and Resumption Requirements

According to Parker (2019), an essential component of software testing is the requirement for suspension and restart. While resuming requirements explain when testing can resume after being suspended, suspension criteria describe the circumstances under which all or some testing

operations should be suspended. When it becomes impossible to continue testing because of flaws, what happens is described in the suspension/resumption criteria.

When necessary external components are unavailable or a major flaw is found, suspension may happen. The testing team makes the decision to suspend all or some of the software testing. Suspension might also happen when the outcome differs from what was anticipated.

## 9. Test deliverables

Test deliverables are the documents produced during the testing process. According to different testing phases in software testing life cycle, the deliverables in this testing will be delivered as follows:

- Test Planning: test plan document.
- Test analysis and design: test design specification.
- Test implementation and execution: test bug report, test execution report.
- Test completion: test summary report.

## 10. Testing Tasks

Following are the testing tasks, that must be done in order to consider Testing to be completed for Orange HRM <https://opensource-demo.orangehrmlive.com/>:

- Test Planning
- Test Case Designing
- Test Case Execution
- Test Summary Report
- Test Bug Report

## 11. Environmental Needs

Below is the list of environmental needs, required to carry on the test activities for:

No	Resources	Descriptions
1.	Computer	Computers with required specifications are needed to access Orange HRM <a href="https://opensource-demo.orangehrmlive.com/">https://opensource-demo.orangehrmlive.com/</a> .
2.	Network Configuration	Internet connection is required.
3.	Browsers	Google Chrome or Internet Explorer
4.	Test Data	Test data should be prepared before testing.
5.	Testing Tools	Manual testing will be used in this testing project.

## 12. Responsibilities

Below is list of activities carried out by PM and Tester to complete testing task for:

No	Resources	Descriptions
1.	PM	<ul style="list-style-type: none"><li>➤ Review of testing requirements.</li><li>➤ Generation of user stories.</li><li>➤ Creation and adjustment of test plan.</li><li>➤ Creation of Backlog, Epic, Sprint, Story Points in Jira.</li><li>➤ Import part of the user stories into Jira.</li><li>➤ Generation of test cases.</li><li>➤ Test cases to be executed.</li><li>➤ Test cases mapped and imported to Zephyr.</li><li>➤ Test summary report to be generated.</li></ul>

		<ul style="list-style-type: none"> <li>➤ Test bug report to be generated.</li> <li>➤ Supervision of the whole testing process.</li> </ul>
2.	Tester	<ul style="list-style-type: none"> <li>➤ Review of testing requirements.</li> <li>➤ Generation of user stories.</li> <li>➤ Creation of test plan.</li> <li>➤ Import part of the user stories into Jira.</li> <li>➤ Generation of test cases.</li> <li>➤ Test cases to be executed.</li> <li>➤ Test summary report to be generated.</li> </ul>

## 13. Staffing and Training Needs

The FDE testing team includes three members: Frances Liu, Diljot Singh, and Elliot Canton. Frances is the project manager to assign tasks, monitor the entire process, ensure effective communication within the team, collect deliverables, and be responsible for some testing tasks. Diljot and Elliot are team members who are responsible for most of the testing tasks and constantly documenting their activities. All the members will contribute to the testing deliverables. While none of them have much testing experience, they have gained the basics from fundamentals of software testing course, and they will use the knowledge of this course to complete testing for Orange HRM <https://opensource-demo.orangehrmlive.com/> . Whenever a problem occurs, they will work together to solve it.

## 14. Schedule

Task	Members	Required Time
Sprint Planning	PM & Testers	1.5 Hours
Generate Test Scenarios	PM & Testers	1 Hour
Generate Test Plan	PM & Testers	4 Hours
Create Backlog, Epic, Sprint, Story Points, Tasks in Jira	PM	1 Hours
Create User Stories in Jira	PM & Testers	2 Hours
Create Test Cases	PM & Testers	6 Hours

Test cases mapped and imported to Zephyr	PM	1 hours
Test cases execution and screenshot	PM & Testers	4 Hours
Bug report	PM	1 Hours
Test summary report	PM	1 Hours
Proper formation and grammatical errors	PM	2 Hours
Whole process monitoring	PM	1.5 Hours
<b>Total</b>		<b>26 Hours</b>

## 15. Risk and Contingencies

<b>Risk and Contingencies</b>	<b>Mitigation</b>
Testers may not have required skills to carry test activities.	Testers can improve their skill by reading/watching required tutorials.
Project has a fixed schedule, and it may be hard for a tester to gain required skills to complete testing on time.	Scope of testing is focused on critical functionality and test cases cover high test priority.
The Project Team does not have a Test Manager to supervise Tester.	Tester performs all duties of the Test Manager.
Project has a fixed schedule, which cannot be extended, so the tester must remain focused.	Tester must remind himself why software testing is so critical.

The testing team does not have required resources to undergo tests.	Testing team can request required resources which will help them to complete the test project or provide resources themselves if they own them.
Testers have communication barriers and therefore struggle to communicate.	Find a compromise in language, maybe supply information in both language or use some sort of translating application to improve communication.

## 16. Approvals

<b>Signatures</b>	Richa Panjabi
<b>Name</b>	Richa Panjabi
<b>Position</b>	Lecturer
<b>Date</b>	1/10/2023

# Test Design Specification and Test Execution Report

## 1. Test Cases for Test Condition T1 (Accuracy of Login Feature)

The following things are required:

- username
- password

We can have five test cases as in below table:

Test Case ID	Test Scenario	Test Steps	Test Data	Expected Results	Actual Results	Pass/Fail
TC 1.1	Accuracy of login feature with correct username	1. open application URL	<a href="https://opensource-">https://opensource-</a>	Users should be able to login and see	As Expected	Pass

	and correct password	2. Enter correct username 3. Enter correct password 4. Click on “Login” button	<a href="https://opensource-demo.orange-hrlive.com/">demo.orange-hrlive.com/</a>  Username: Admin Password: admin123	account details		
<b>TC 1.2</b>	Accuracy of login feature with correct username and incorrect password	1. open application URL 2. Enter correct username 3. Enter incorrect password 4. Click on “Login” button	<a href="https://opensource-demo.orange-hrlive.com/">https://opensource-demo.orange-hrlive.com/</a>  Username: Admin Password: admin234	Users should not be able to login	As Expected	Pass
<b>TC 1.3</b>	Accuracy of Login Feature with incorrect username and correct password	1. open application URL 2. Enter incorrect username 3. Enter correct password 4. Click on “Login” button	<a href="https://opensource-demo.orange-hrlive.com/">https://opensource-demo.orange-hrlive.com/</a>  Username: Mary Password: admin123	Users should not be able to login	As Expected	Pass
<b>TC 1.4</b>	Accuracy of Login Feature with incorrect username and incorrect password	1. open application URL 2. Enter incorrect username 3. Enter incorrect password 4. Click on “Login” button	<a href="https://opensource-demo.orange-hrlive.com/">https://opensource-demo.orange-hrlive.com/</a>  Username: Tom Password: Admin345	Users should not be able to login	As Expected	Pass
<b>TC 1.5</b>	Accuracy of Login Feature with leaving username and password blank	1. open application URL 2. Leave username and password blank 3. Click on “Login” button	<a href="https://opensource-demo.orange-hrlive.com/">https://opensource-demo.orange-hrlive.com/</a>	Users should not be able to login	As Expected	Pass

## 1.1 Test Case Execution for Test Case TC 1.1

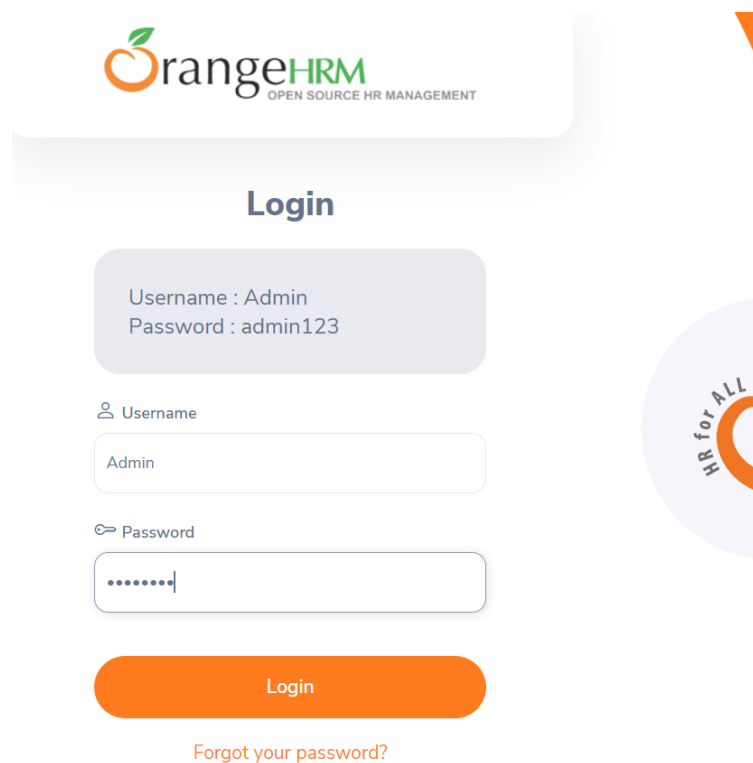


Figure 1 demonstrating correct username & correct password was entered

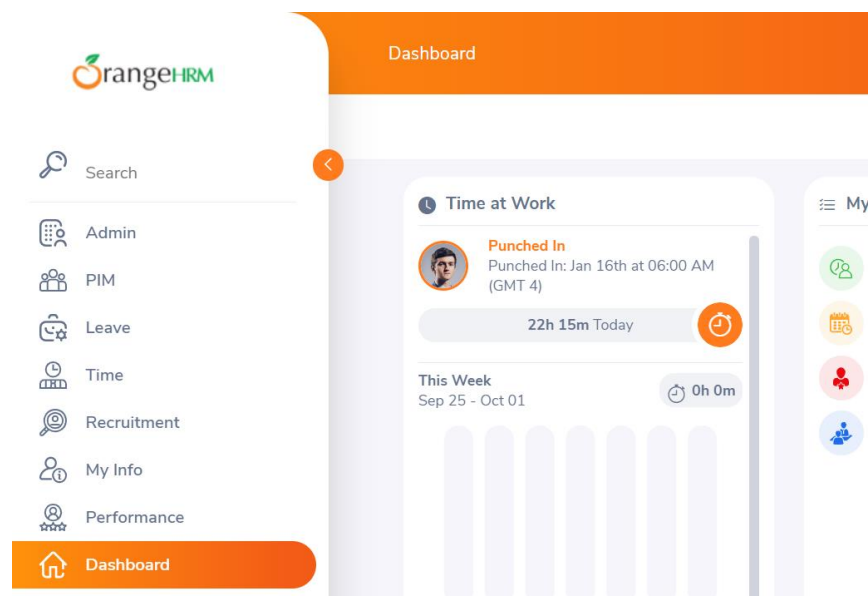
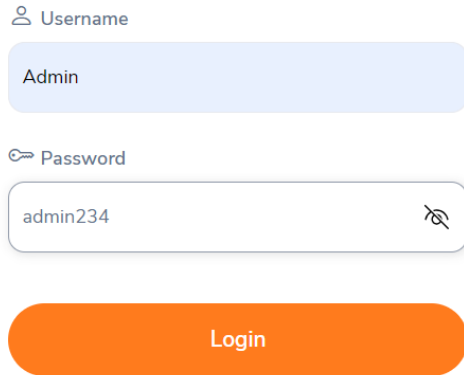


Figure 2 demonstrating user was able to log in successfully

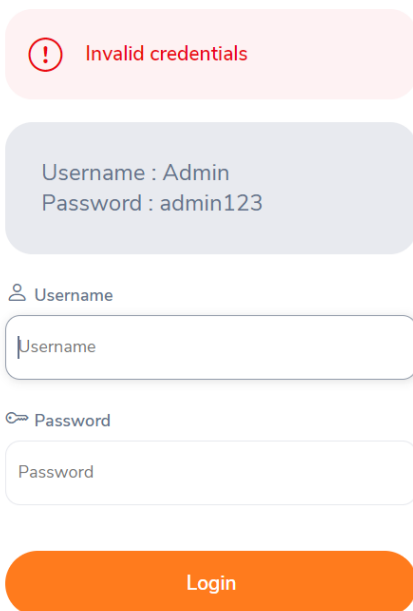


## 1.2 Test Case Execution for Test Case TC 1.2



A login form with two input fields and a button. The first field, labeled 'Username' with a person icon, contains the text 'Admin'. The second field, labeled 'Password' with a key icon, contains the text 'admin234' and has a small 'x' icon to its right. Below the fields is an orange rounded button labeled 'Login'.

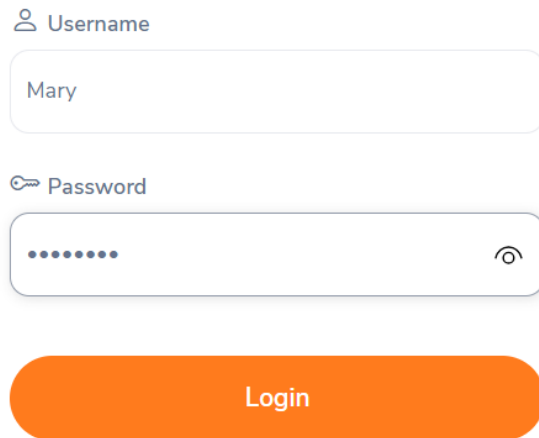
Figure 3 demonstrating correct username & incorrect password was entered



A login form showing an error state. At the top is a red rounded rectangle containing a red exclamation mark icon and the text 'Invalid credentials'. Below this is a grey rounded rectangle containing the text 'Username : Admin' and 'Password : admin123'. Underneath are the 'Username' and 'Password' input fields, both empty. At the bottom is an orange rounded button labeled 'Login'.

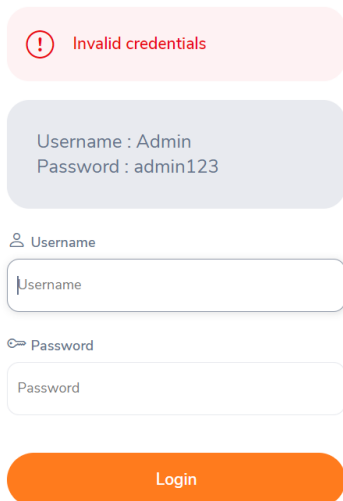
Figure 4 demonstrating user was unable to log in

### 1.3 Test Case Execution for Test Case TC 1.3



A login form with two input fields and a button. The first field is labeled 'Username' with a person icon and contains the text 'Mary'. The second field is labeled 'Password' with a key icon and contains seven dots. To the right of the password field is an eye icon. Below the fields is an orange rounded button labeled 'Login'.

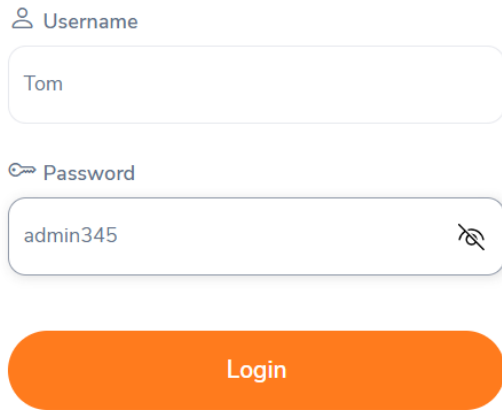
Figure 5 demonstrating incorrect username & correct password was entered



A login form showing an error state. At the top is a pink rounded rectangle containing a red exclamation mark icon and the text 'Invalid credentials'. Below this is a grey rounded rectangle containing the text 'Username : Admin' and 'Password : admin123'. Underneath are the 'Username' and 'Password' input fields, both containing their respective labels. At the bottom is an orange rounded button labeled 'Login'.

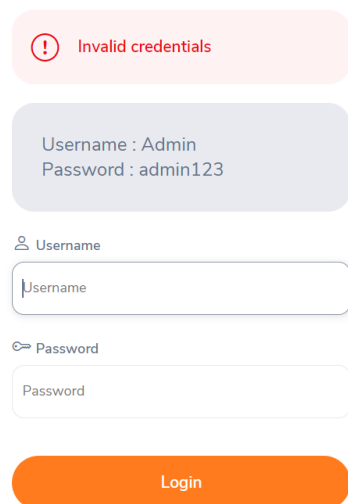
Figure 6 demonstrating user was unable to log in

### 1.4 Test Case Execution for Test Case TC 1.4



A login form with two input fields and a button. The first field is labeled 'Username' with a person icon and contains the text 'Tom'. The second field is labeled 'Password' with a key icon and contains the text 'admin345'. To the right of the password field is an eye icon. Below the fields is an orange rounded button labeled 'Login'.

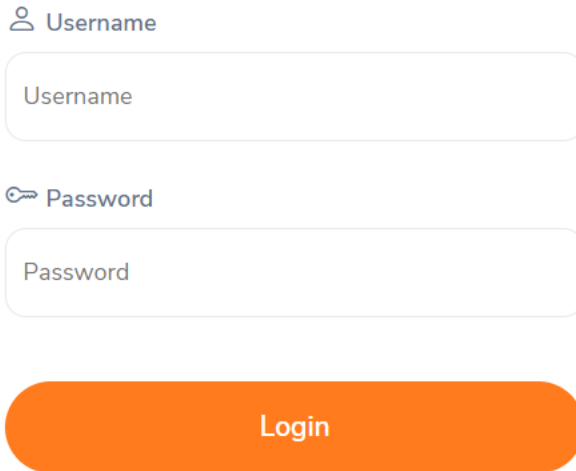
Figure 7 demonstrating incorrect username & incorrect password was entered



A login form showing an error state. At the top is a red rounded rectangle containing a red exclamation mark icon and the text 'Invalid credentials'. Below this is a grey rounded rectangle containing the text 'Username : Admin' and 'Password : admin123'. Underneath are the 'Username' and 'Password' input fields, both empty. At the bottom is an orange rounded button labeled 'Login'.

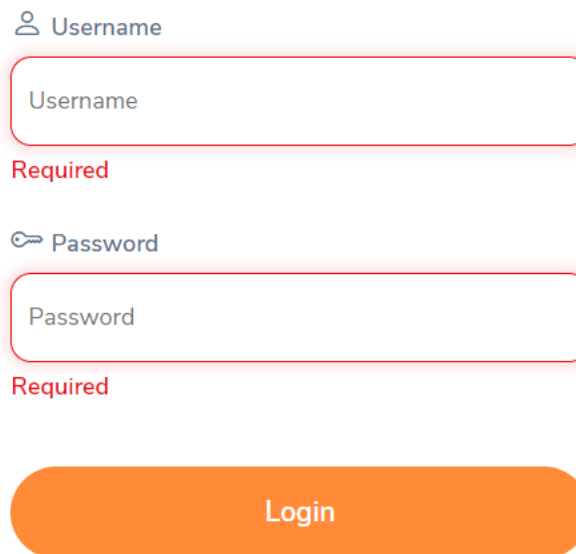
Figure 8 demonstrating user was unable to log in

## 1.5 Test Case Execution for Test Case TC 1.5



A login form with two input fields and a button. The first field is labeled 'Username' with a person icon and contains the placeholder text 'Username'. The second field is labeled 'Password' with a key icon and contains the placeholder text 'Password'. Below the fields is an orange rounded button labeled 'Login'.

Figure 9 demonstrating no username & password was entered



A login form similar to Figure 9, but with red error messages. The 'Username' field has a red border and a red 'Required' message below it. The 'Password' field also has a red border and a red 'Required' message below it. The orange 'Login' button is at the bottom.

Figure 10 demonstrating user was unable to log in, username & password was required

## 2. Test Cases for Test Condition T2 (view my attendance records details)

The following things are required:

- correct username and password
- different date

We can have three test cases as in below table:

Test Case ID	Test Scenario	Test Steps	Test Data	Expected Results	Actual Results	Pass/Fail
TC 2.1	Validate User is able to view the attendance records with a date from one month ago.	1. Open application URL 2. Enter correct username and correct password 3. Click on "Login" button 4. Click on "Time" in the menu 5. Click on "Attendance" 6. Select "My Records" 7. Choose a date from one month ago 8. Click on "View"	<a href="https://opensource-demo.orange-hrm.live.com/">https://opensource-demo.orange-hrm.live.com/</a> Username: Admin Password: admin123  Date: 2023-09-14	"My Attendance Records" details should be displayed	As Expected (even though there is no details displayed)	Pass
TC 2.2	Validate User is able to view the attendance records with a date from one year ago.	1. Open application URL 2. Enter correct username and correct password 3. Click on "Login" button 4. Click on "Time" in the menu 5. Click on "Attendance" 6. Select "My Records" 7. Choose a date from one year ago 8. Click on "View"	<a href="https://opensource-demo.orange-hrm.live.com/">https://opensource-demo.orange-hrm.live.com/</a> Username: Admin Password: admin123  Date: 2022-09-30	"My Attendance Records" details should be displayed	As Expected (even though there is no details displayed)	Pass
TC 2.3	Validate User is able to view the attendance records with a future date.	1. Open application URL 2. Enter correct username and correct password 3. Click on "Login" button 4. Click on "Time" in the menu 5. Click on "Attendance" 6. Select "My Records" 7. Choose a future date 8. Click on "View"	<a href="https://opensource-demo.orange-hrm.live.com/">https://opensource-demo.orange-hrm.live.com/</a> Username: Admin Password: admin123  Date: 2023-11-10	"My Attendance Records" details should not be displayed	As Expected	Pass

## 2.1 Test Case Execution for Test Case TC 2.1

The screenshot shows the 'Attendance / Attendance' page. At the top, there is an orange header bar with the text 'Attendance / Attendance' on the left and a user profile icon with the text 'kj d' on the right. Below the header, there is a navigation bar with four tabs: 'Timesheets', 'Attendance' (which is highlighted in orange), 'Reports', and 'Project Info'. To the right of these tabs is a question mark icon. The main content area is titled 'My Attendance Records' and features a 'Date\*' label above a date input field containing '2023-09-14'. To the right of the date field is a calendar icon. Below the date field, there is a note '\* Required' and a green 'View' button. The page also displays 'Total Duration (Hours): 0.00' and 'No Records Found'. At the bottom, there is a table header with columns: 'Punch In', 'Punch In Note', 'Punch Out', 'Punch Out Note', 'Duration (Hours)', and 'Actions'.

Figure 11 demonstrating a date from a month ago was chosen

This screenshot is identical to the one in Figure 11, showing the 'Attendance / Attendance' page with the 'Attendance' tab selected, the date '2023-09-14' chosen, and the 'View' button visible.

Figure 12 demonstrating "My Attendance Records" details were displayed

## 2.2 Test Case Execution for Test Case TC 2.2

**My Attendance Records**

Date\*

2022-09-30

\* Required

View

Total Duration (Hours): 0.00

No Records Found

<input type="checkbox"/> Punch In	Punch In Note	Punch Out	Punch Out Note	Duration (Hours)	Actions
-----------------------------------	---------------	-----------	----------------	------------------	---------

Figure 13 demonstrating a date from a year ago was chosen

**My Attendance Records**

Date\*

2022-09-30

\* Required

View

Total Duration (Hours): 0.00

No Records Found

<input type="checkbox"/> Punch In	Punch In Note	Punch Out	Punch Out Note	Duration (Hours)	Actions
-----------------------------------	---------------	-----------	----------------	------------------	---------

Figure 14 demonstrating “My Attendance Records” details were displayed

## 2.3 Test Case Execution for Test Case TC 2.3

**My Attendance Records**

Date\*

2023-11-10

\* Required

View

Total Duration (Hours): 0.00

No Records Found

<input type="checkbox"/> Punch In	Punch In Note	Punch Out	Punch Out Note	Duration (Hours)	Actions
-----------------------------------	---------------	-----------	----------------	------------------	---------

Figure 15 demonstrating a future date was chosen

The screenshot shows a web interface titled "My Attendance Records". At the top, there is a "Date\*" input field with the value "2023-11-10" and a calendar icon. Below this is a "\* Required" label and a green "View" button. A summary bar indicates "Total Duration (Hours): 0.00". A message "No Records Found" is displayed above a table. The table has columns: "Punch In", "Punch In Note", "Punch Out", "Punch Out Note", "Duration (Hours)", and "Actions". The table is currently empty.

Figure 16 demonstrating no “My Attendance Records” details were displayed

### 3. Test Cases for Test Condition T3 (search the result of employee attendance records)

The following things are required:

- correct username and password
- different date

We can have four test cases as in below table:

Test Case ID	Test Scenario	Test Steps	Test Data	Expected Results	Actual Results	Pass/Fail
TC 3.1	Validate user is able to search the attendance of employees records with a date from one month ago.	1. Open application URL 2. Enter correct username and correct password 3. Click on "Login" button 4. Click on "Time" in the menu 5. Click on "Attendance" Records" 6. Select "Employee Records" 7. Choose a date from one month ago 8. Click on "View"	<a href="https://opensource-demo.orange-hrm.live.com/">https://opensource-demo.orange-hrm.live.com/</a> Username: Admin Password: admin123  Date: 2023-09-14	The records of employee attendance should be shown	As Expected	Pass
TC 3.2	Validate user is able to search the attendance of	1. Open application URL 2. Enter correct username and correct password 3. Click on "Login" button	<a href="https://opensource-demo.orange-hrm.live.com/">https://opensource-demo.orange-hrm.live.com/</a>	“Employee Attendance	As Expected	Pass



	employee records with a date from one year ago.	4. Click on "Time" in the menu 5. Click on "Attendance" 6. Select "Employee Records" 7. Choose a date from one year ago 8. Click on "View"	Username: Admin Password: admin123  Date: 2022-09-30	Records" details should be displayed from 1 year ago.		
<b>TC 3.3</b>	Validate user is able to search the attendance of employee records with a future date.	1. Open application URL 2. Enter correct username and correct password 3. Click on "Login" button 4. Click on "Time" in the menu 5. Click on "Attendance" 6. Select "Employee Records" 7. Choose a future date 8. Click on "View"	<a href="https://opensource-demo.orange-hrm.live.com/">https://opensource-demo.orange-hrm.live.com/</a> Username: Admin Password: admin123  Date: 2023-11-10	The records of employees in the future should not be able to be viewed.	The record of the employees in the future could be viewed.	Fail
<b>TC 3.4</b>	Validate user is able to search the attendance of specific employees by using the search function	1. Open application URL 2. Enter correct username and correct password 3. Click on "Login" button 4. Click on "Time" in the menu 5. Click on "Attendance" 6. Select "Employee Records" 7. Search and employee" 8. Click on "View"	<a href="https://opensource-demo.orange-hrm.live.com/">https://opensource-demo.orange-hrm.live.com/</a> Username: Admin Password: admin123  Employee: Linda Anderson	The records of the specific employee should show up.	The records of Linda Anderson do not show up and it says No records found shows up	Fail

### 3.1 Test Case Execution for Test Case TC3.1

Employee Attendance Records

Employee Name

Type for hints...

Date\*

2023-10-02

\* Required

View

(105) Records Found

Employee Name	Total Duration (Hours)	Actions
--	0.00	View
Odis Adalwin	0.00	View
Peter Anderson	0.00	View
Linda Anderson	0.00	View
Lisa Andrews	0.00	View
Ravi B	0.00	View
Cornell Barrows	0.00	View
Viva Berge	0.00	View
Cecil Bonaparte	0.00	View

Figure 17 demonstrating the results of displaying employee records when selecting a date from one month ago

3.2 Test Case Execution for Test Case TC3.2

Attendance / Attendance

Timesheets

Attendance

Reports

Project Info

Employee Name

--

2023

2017

2018

2019

2020

2021

2022

2023

Today

Clear

Close

Actions

View

View

View

View

View

View

View

View

View

View

View

View

View

View

View

View

View

View

Figure 18 demonstrating changing the date of the records to 1 year ago

Employee Attendance Records

Employee Name

Type for hints...

Date\*

2023-10-02

\* Required

View

(105) Records Found

Employee Name	Total Duration (Hours)	Actions
--	0.00	View
Odin Adalwin	0.00	View
Peter Anderson	0.00	View
Linda Anderson	0.00	View
Lisa Andrews	0.00	View
Ravi B	0.00	View
Cornell Barrows	0.00	View
Viva Berge	0.00	View
Cecil Bonaparte	0.00	View

Figure 19 demonstrating the results of displaying employee records successfully

3.3 Test Case Execution for Test Case TC3.3

Attendance / Attendance

Timesheets

Attendance

Reports

Project Info

Employee Name

--

Odin Adalwin

0.00

View

Peter Anderson

0.00

View

Linda Anderson

0.00

View

Lisa Andrews

0.00

View

Ravi B

0.00

View

Cornell Barrows

0.00

View

Viva Berge

0.00

View

Cecil Bonaparte

0.00

View

Kasey Botsford

0.00

View

Charlie Carter

0.00

View

Dominic Chase

0.00

View

Chenzira Chuki

0.00

View

Dinil Collings 55555

0.00

View

Haylee Cruickshank

0.00

View

2017

2018

2019

2020

2021

2022

30

31

Today

Clear

Close

Dinil Collings 55555

?

Figure 20 demonstrating changing the date of the records from 1 month in the future

Employee Attendance Records

Employee Name

Type for hints...

Date\*

2023-10-02

\* Required

View

(105) Records Found

Employee Name	Total Duration (Hours)	Actions
--	0.00	View
Odis Adalwin	0.00	View
Peter Anderson	0.00	View
Linda Anderson	0.00	View
Lisa Andrews	0.00	View
Ravi B	0.00	View
Cornell Barrows	0.00	View
Viva Berge	0.00	View
Cecil Bonaparte	0.00	View

Figure 21 demonstrating the result can be displayed

3.4 Test Case Execution for Test Case TC3.4

Attendance / Attendance

Paul Collings

Timesheets

Attendance

Reports

Project Info

?

Employee Attendance Records

Employee Name

Linda Anderson

Linda Jane Anderson

Date\*

2023-10-02

View

(167) Records Found

Employee Name	Total Duration (Hours)	Actions
Zachariah	0.00	View
Maureen Abbott	0.00	View
Odis Adalwin	0.00	View
Wxc Wxc Adams	0.00	View
Linda Anderson	0.00	View
Peter Anderson	0.00	View
Lisa Andrews	0.00	View
Emily B	0.00	View
Ravi B	0.00	View

Figure 22 demonstrating searching Linda Anderson in the search bar

Attendance / Attendance

Timesheets Attendance Reports Project Info

Employee Attendance Records

Employee Name: Linda Jane Anderson Date\*: 2023-10-02

\* Required View

+ Add Total Duration (Hours): 0.00

No Records Found

<input type="checkbox"/> Punch In	Punch In Note	Punch Out	Punch Out Note	Duration (Hours)	Actions
No Records Found					

Figure 23 demonstrating the results of searching an employee name

#### 4. Test Cases for Test Condition T4 (edit my timesheets records)

To log in, the following things are required:

- correct username and password
- project name, activities, and time

We can have two test cases as in below table:

Test Case ID	Test Scenario	Test Steps	Test Data	Expected Results	Actual Results	Pass /Fail
TC 4.1	Validate the user is able to edit two new timesheet records.	1. Open application URL 2. Enter correct username and correct password 3. Click on "Login" button 4. Click on "Time" in the menu 5. Click on "Timesheet" 6. Select "My Timesheet" 7. Enter project name, activity, and time 8. Click on "Save"	<a href="https://opensource-demo.orange-hrm.live.com/">https://opensource-demo.orange-hrm.live.com/</a> Username: Admin Password: admin123  Project: ACME Ltd  Activity: Customizations, Employee Relations  Time: 11:00, 12:00	Users should be able to edit new records.	As Expected	Pass
TC 4.2	Validate whether the user can edit their current timesheet.	1. Open application URL 2. Enter correct username and correct password 3. Click on "Login" button 4. Click on "Time" in the menu 5. Click on "My Timesheet" 6. Click on "Click edit" 7. Change the time of one record 8. Click "Save"	<a href="https://opensource-demo.orange-hrm.live.com/">https://opensource-demo.orange-hrm.live.com/</a> Username: Admin Password: admin123  Activity: Customizations, Employee Relations  Time: 8:00, 12:00	Users should be able to edit their current timesheet.	As Expected	Pass

#### 4.1 Test Case Execution for Test Case TC4.1

Time

Paul Collings

Timesheets
Attendance
Reports
Project Info

Edit Timesheet

Timesheet Period
2023-10-02 - 2023-10-08

Project	Activity	2 Mon	3 Tue	4 Wed	5 Thu	6 Fri	7 Sat	8 Sun	
ACME Ltd - ACME Ltd	Customizations	11:00							
ACME Ltd - ACME Ltd	Employee Relati...	12:00							
+ Add Row									

Cancel
Reset
Save

Figure 24 demonstrating two new rows were edited

Timesheets
Attendance
Reports
Project Info

My Timesheet

Timesheet Period
2023-10-02 to 2023-10-08

Project	Activity	2 Mon	3 Tue	4 Wed	5 Thu	6 Fri	7 Sat	8 Sun	Total
ACME Ltd - ACME Ltd	Customizations	11:00	00:00	00:00	00:00	00:00	00:00	00:00	11:00
ACME Ltd - ACME Ltd	Employee Relations	12:00	00:00	00:00	00:00	00:00	00:00	00:00	12:00
Total		23:00	00:00	00:00	00:00	00:00	00:00	00:00	23:00

Status: Submitted

Edit

Actions Performed on the Timesheet

Actions	Performed By	Date	Comment
Submitted	Paul Collings	2023-10-07	

Figure 25 demonstrating two new rows were edited successfully

## 4.2 Test Case Execution for Test Case TC4.2

Time Paul Collings

Timesheets Attendance Reports Project Info

**Edit Timesheet** Timesheet Period 2023-10-02 - 2023-10-08

Project	Activity	2 Mon	3 Tue	4 Wed	5 Thu	6 Fri	7 Sat	8 Sun	
ACME Ltd - ACME Ltd	Customizations	8:00							
ACME Ltd - ACME Ltd	Employee Relat...	12:00							

+ Add Row

Cancel Reset Save

Figure 26 demonstrating changing the time of one current record

**My Timesheet** Timesheet Period 2023-10-02 to 2023-10-08

Project	Activity	2 Mon	3 Tue	4 Wed	5 Thu	6 Fri	7 Sat	8 Sun	Total
ACME Ltd - ACME Ltd	Customizations	08:00	00:00	00:00	00:00	00:00	00:00	00:00	08:00
ACME Ltd - ACME Ltd	Employee Relations	12:00	00:00	00:00	00:00	00:00	00:00	00:00	12:00
<b>Total</b>		20:00	00:00	00:00	00:00	00:00	00:00	00:00	20:00

Status: Submitted Edit

**Actions Performed on the Timesheet**

Actions	Performed By	Date	Comment
Submitted	Paul Collings	2023-10-07	

Figure 27 demonstrating the time of one current record can be changed successfully

## 5. Test Cases for Test Condition T5 (view the employee timesheet records)

To log in, the following things are required:

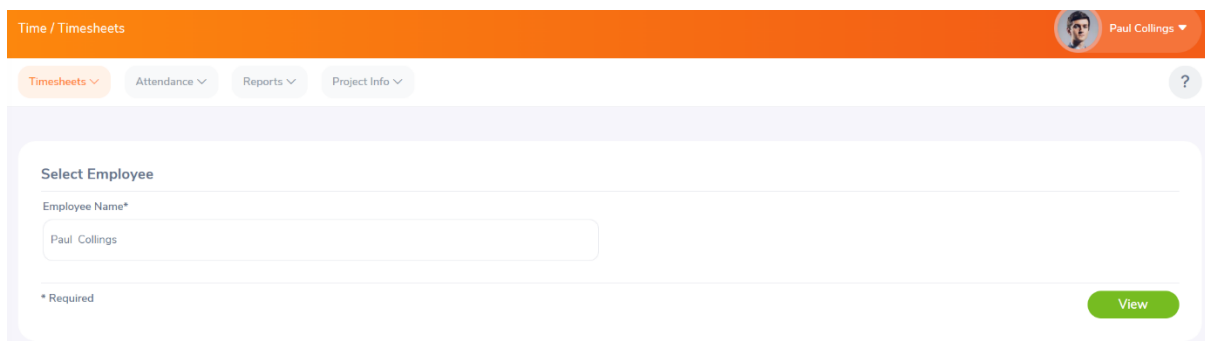
- correct username and password
- employee name

We can have one test cases as in below table:



Test Case ID	Test Scenario	Test Steps	Test Data	Expected Results	Actual Results	Pass/Fail
TC 5.1	Validate User is not able to view the timesheet records when search by the name	<ol style="list-style-type: none"> <li>1. Open application URL</li> <li>2. Enter correct username and correct password</li> <li>3. Click on "Login" button</li> <li>4. Click on "Time" in the menu</li> <li>5. Click on "Timesheet"</li> <li>6. Click on "EmployeeTimesheet"</li> <li>7. Search by full name</li> <li>8. Click on "View"</li> </ol>	<a href="https://open-source-demo.orange-hrmlive.com/">https://open-source-demo.orange-hrmlive.com/</a> Username: Admin Password: admin123  Employee name: Paul Collings	I would expect that that it should show me my timesheet as requested.	It says no timesheet found error.	Fail

## 5.1 Test Case Execution for Test Case TC5.1



Time / Timesheets

Paul Collings

Timesheets Attendance Reports Project Info

Select Employee

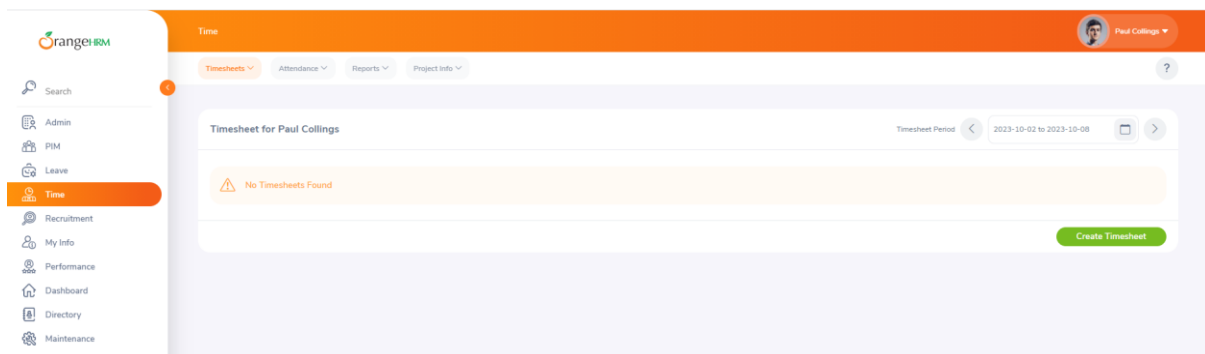
Employee Name\*

Paul Collings

\* Required

View

Figure 28 demonstrating an employee name was entered



orangeHRM

Time

Paul Collings

Timesheets Attendance Reports Project Info

Search

Admin PIM Leave Time Recruitment My Info Performance Dashboard Directory Maintenance

Timesheet for Paul Collings

Timesheet Period 2023-10-02 to 2023-10-08

No Timesheets Found

Create Timesheet

Figure 29 demonstrating no result displayed when searching by names

## 6. Test Cases for Test Condition T6 (add nationalities)

To log in, the following things are required:

- correct username and password
- different nationality data

We can have two test cases as in below table:

Test Case ID	Test Scenario	Test Steps	Test Data	Expected Results	Actual Results	Pass/Fail
TC 6.1	Validate Users are able to add the Nationality.	1. Open application URL 2. Enter correct username and correct password 3. Click on "Login" button 4. Click on "Admin" in the menu 5. Click on "Nationality" 6. Click on "Add" 6. Enter Nationality 7. Click on "Save"	<a href="https://opensource-demo.orangehrmlive.com/">https://opensource-demo.orangehrmlive.com/</a> Username: Admin Password: admin123  Nationality: Australia	Users are able to add nationality.	As Expected	Pass
TC 6.2	Validate Users are not able to add a numeric value as nationality.	1. Open application URL 2. Enter correct username and correct password 3. Click on "Login" button 4. Click on "Time" in the menu 5. Click on "Nationality" 6. Click on "Add" 6. Enter numeric nationality 7. Click on "Save"	<a href="https://opensource-demo.orangehrmlive.com/">https://opensource-demo.orangehrmlive.com/</a> Username: Admin Password: admin123  numeric value: 123	Users are not able to add a numeric value as nationality.	Users are able to add a numeric value as nationality.	Fail

## 6.1 Test Case Execution for Test Case TC6.1

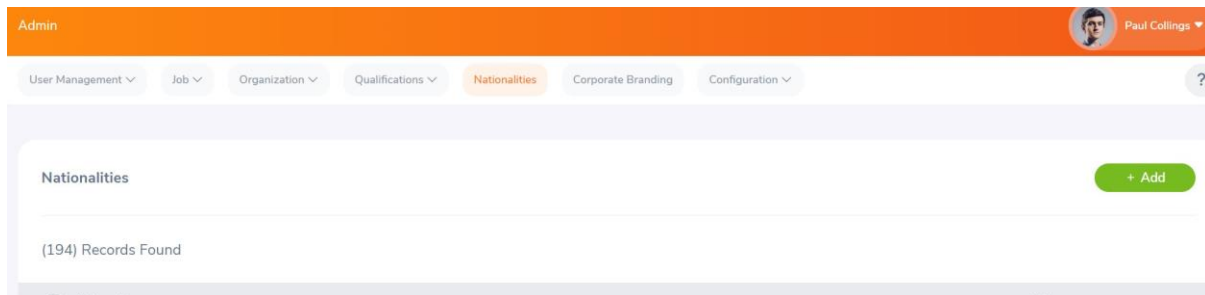


Figure 30 demonstrating the number of nationality records before adding a new one, which is 194

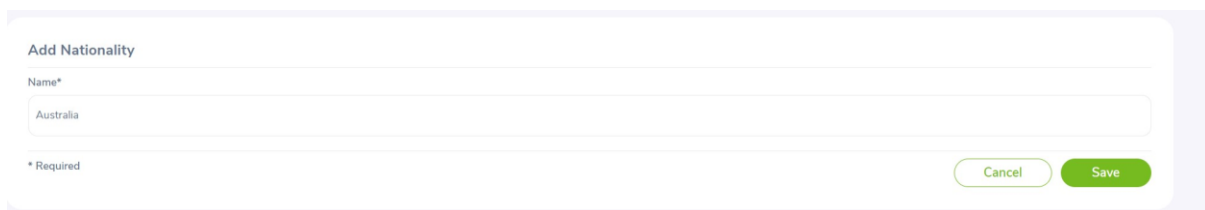


Figure 31 demonstrating a new nationality was entered

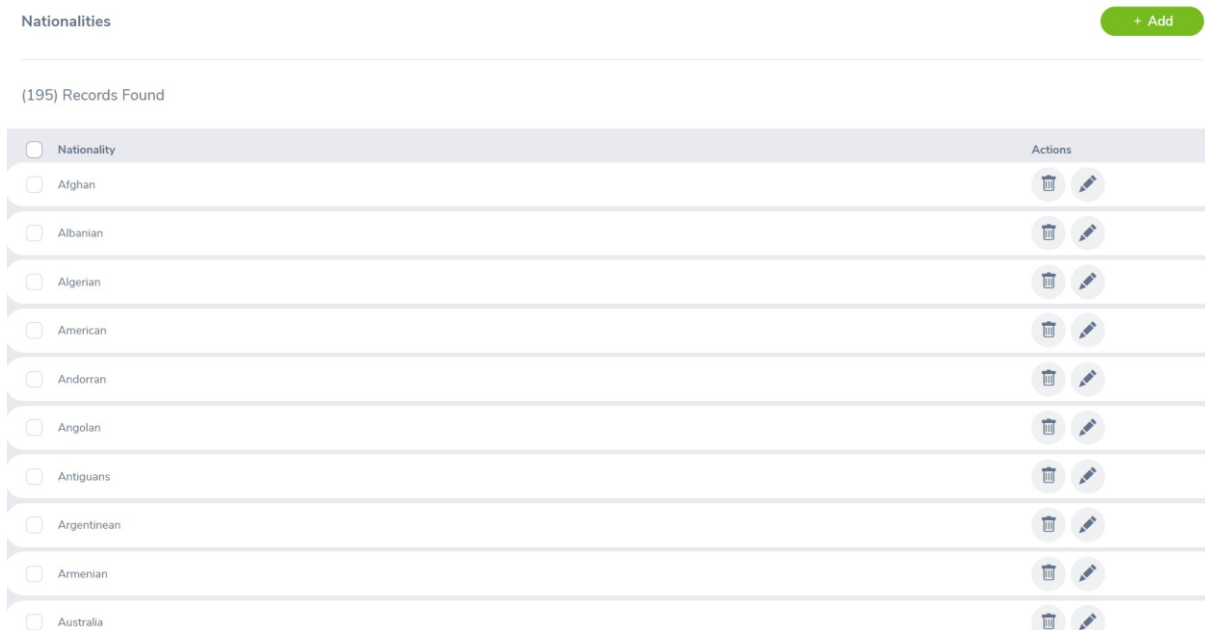


Figure 32 demonstrating the new nationality was added successfully, the number of records changed to 195

## 6.2 Test Case Execution for Test Case TC6.2

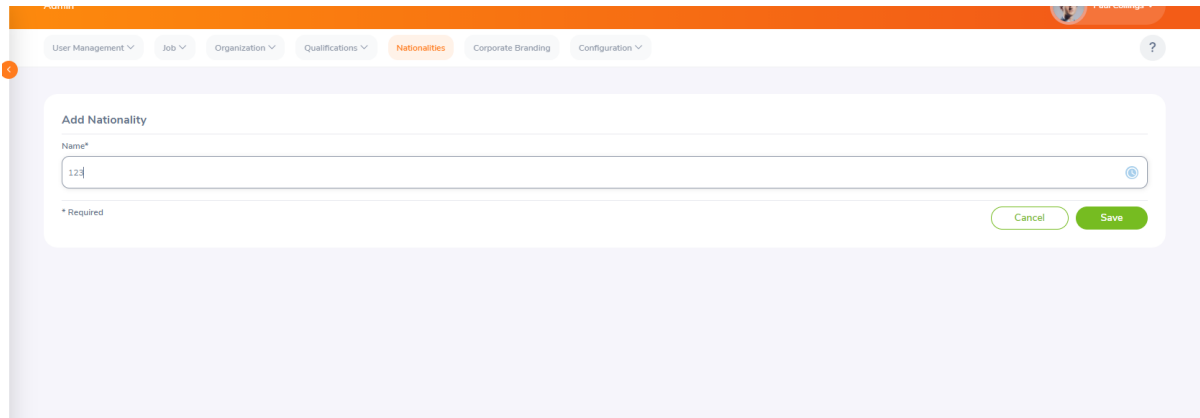


Figure 33 demonstrating a numeric value was entered as a nationality

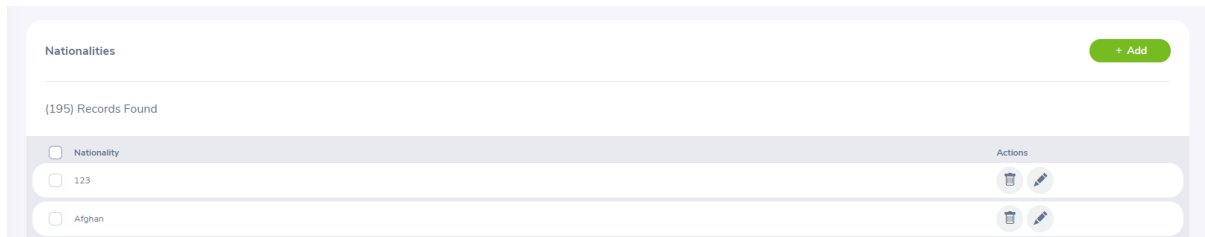


Figure 34 demonstrating a numeric nationality was added successfully

## 7. Test Cases for Test Condition T7 (add locations)

To log in, the following things are required:

- correct username and password
- name, country, and different postal codes

We can have two test cases as in below table:

Test Case ID	Test Scenario	Test Steps	Test Data	Expected Results	Actual Results	Pass /Fail
TC 7.1	Validate Users are able to add their country.	1. Open application URL 2.Enter correct username and correct password 3.Click on "Login" button 4.Click on "Admin" in the menu	<a href="https://open-source-demo.orangehrmlive.com/">https://open-source-demo.orangehrmlive.com/</a> Username: Admin Password: admin123	Users are able to add the country.	As Expected	Pass

		5. Click on 'organization' select location. 6.Click on add. 7. Enter personal details. 8.Click on save.	Name: Jaskirat, Postcode:14 1002 , Country: India			
<b>TC 7.2</b>	Validate User is able to add their country but also able to add the random words in the postal code	1. Open application URL 2.Enter correct username and correct password 3.Click on "Login" button 4.Click on "Admin" in the menu 5. Click on 'organization' select location. 6.Click on add. 7. Enter personal details. 8.Click on save.	<a href="https://open-source-demo.orangehrmlive.com/">https://open-source-demo.orangehrmlive.com/</a> Username: Admin Password: admin123  Name: Prabh, Postcode: mhvc, Country: India	Users are not able to add location information using random letters in postal code.	Users are able to add location information using random letters in postal code.	Fail

## 7.1 Test Case Execution for Test Case TC7.1

**Add Location**

Name\*  
Jaskirat

City  
Type here ...

State/Province  
Type here ...

Zip/Postal Code  
141002

Country\*  
India

Phone  
Type here ...

Fax  
Type here ...

Address  
Type here ...

Notes  
Type here ...

\* Required

Cancel Save

Figure 35 demonstrating information about name, country, and postal code was entered

**Locations**

Name City Country

Jaskirat

-- Select --

Reset Search

+ Add

(1) Records Found

<input type="checkbox"/>	Name	City	Country	Phone	Number of Employees	Actions
<input type="checkbox"/>	Jaskirat		India		0	

Figure 36 demonstrating the location record was added successfully

## 7.2 Test Case Execution for Test Case TC7.2

**Add Location**

Name\*  
Prabh

City  
Type here ...

State/Province  
Type here ...

Zip/Postal Code  
mhvc

Country\*  
India

Phone  
Type here ...

Fax  
Type here ...

Address  
Type here ...

Notes  
Type here ...

\* Required

Cancel Save

Figure 37 demonstrating information about name, country, and a random-letter postal code was entered

**Locations**

Name City Country

Prabh

-- Select --

Reset Search

+ Add

(1) Records Found

<input type="checkbox"/>	Name ↓↑	City ↓↑	Country ↓↑	Phone ↓↑	Number of Employees ↓↑	Actions
<input type="checkbox"/>	Prabh		India		0	

Figure 38 demonstrating the location record was added successfully

# Bug Report

<b>Bug ID</b>	001
<b>Title</b>	Validate User is not able to add the Nationality as a numeric value.
<b>Description of Bug</b>	When adding the nationality data, the data can be numbers instead of a nation.
<b>Steps to Reproduce</b>	<ol style="list-style-type: none"><li>1. Open application URL</li><li>2. Enter correct username and correct password</li><li>3. Click on "Login" button</li><li>4. Click on "Admin" in the menu</li><li>5. Click on 'Nationality'</li><li>6. Enter numeric nationality</li><li>7. Click on save</li></ol>
<b>Expected result</b>	Users are not able to add numeric values in nationality.
<b>Actual Result</b>	Users are able to add numeric values in nationality.
<b>Severity</b>	S3
<b>Priority</b>	P4
<b>Created by</b>	Frances Liu
<b>Assigned to</b>	Diljot Singh
<b>Type of Testing</b>	Manual testing



<b>Components/ Function</b>	Add nationality
<b>Test Case Number</b>	TC6.2
<b>Status</b>	Not yet fix

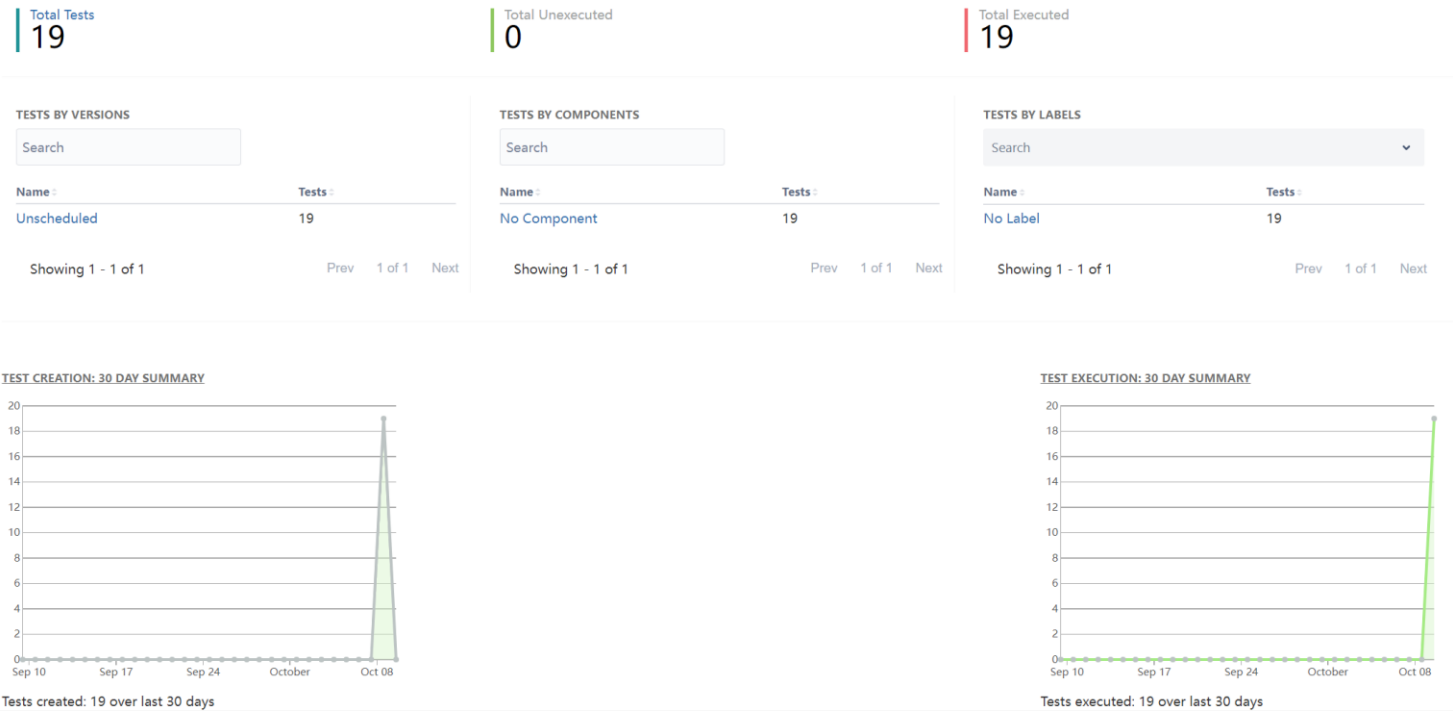
<b>Severity Legend</b> Defect severities will be assigned during the test phase according to the impact on test progression:	
S1 - Critical	Critical business functionality does not work. Considered to be a “showstopper”. Must be fixed as soon as possible. Defect is considered critical to business operations and/or testing.
S2 - Major	Should be fixed as soon as possible. Defect is considered critical to business operations, but testing can continue for functionality that is working.
S3 - Moderate	be fixed as time allows. Defect is considered moderate impact to business operations/testing. Functionality is not working correctly, but a workaround can be utilized until it is fixed.
S4 - Minor	Defect is considered low impact to the business operations/testing. However, testing is still able to continue.

<b>Priority Legend</b> Defect priority is based on business needs and severity of the defect. Priority signifies the importance or urgency of fixing a defect.
-------------------------------------------------------------------------------------------------------------------------------------------------------------------

P1 - Critical	This must be fixed immediately within 24 hours as the feature is unusable in the current state.
P2 - High	Once the critical defects have been fixed, a defect having this priority is the next candidate which must be fixed for any test activity to match the “exit” criteria.
P3 - Medium	A defect with this priority must be in contention to be fixed as it could also deal with functionality issues which are not as per expectation. Sometimes even cosmetic errors such as expecting the right error message during the failure could qualify to be a priority 3 defect.
P4 - Low	This defect should be resolved after all the serious bugs are fixed.

# Test Summary

## Test Summary



# Test Metrics

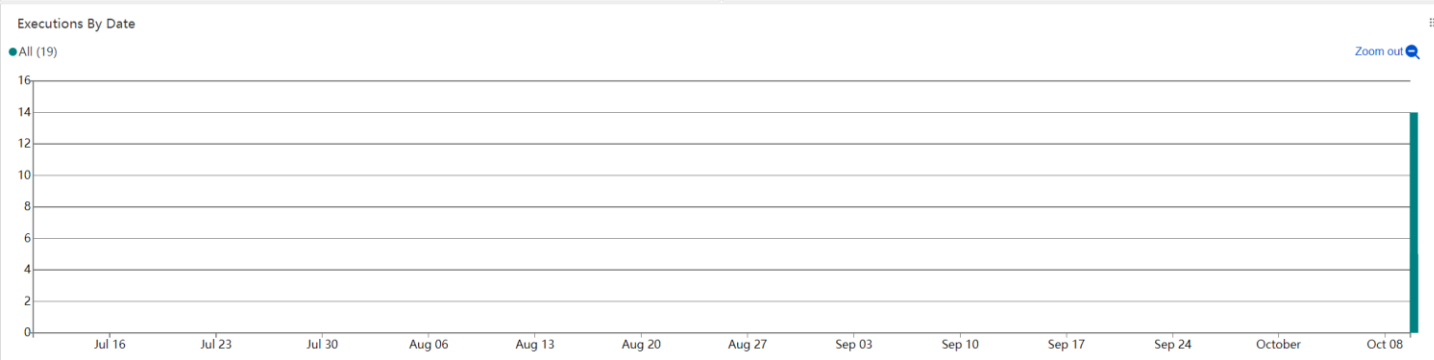
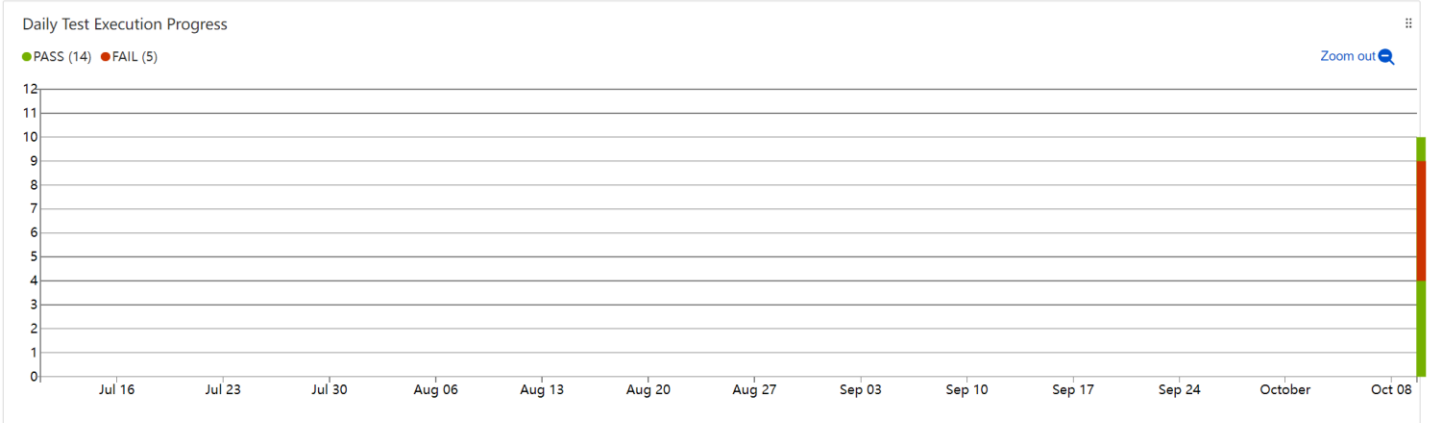
Projects / Project FDE / Test Metrics



## Test Metrics for Project FDE

All Versions Past 3 mon... Auto Refresh

These are auto-generated test metrics for a project. If you want to create customized metrics and display them in a dashboard, [click here](#).



Executions List

Test Cycle	Test Id	Execution Status	Executed By	Execution Date
› FirstCycle	10052	PASS	Frances	10/9/2023 3:48:39 PM
› FirstCycle	10067	PASS	Frances	10/9/2023 3:46:18 PM
› FirstCycle	10053	PASS	Frances	10/9/2023 3:54:48 PM
› FirstCycle	10050	PASS	Frances	10/9/2023 3:48:37 PM
› FirstCycle	10051	PASS	Frances	10/9/2023 3:48:23 PM
› FirstCycle	10068	PASS	Frances	10/9/2023 3:48:21 PM
› FirstCycle	10060	PASS	Frances	10/9/2023 3:59:09 PM
› FirstCycle	10054	PASS	Frances	10/9/2023 3:55:06 PM
› FirstCycle	10055	PASS	Frances	10/9/2023 3:55:24 PM
› FirstCycle	10057	PASS	Frances	10/9/2023 4:00:37 PM
› FirstCycle	10056	PASS	Frances	10/9/2023 4:00:10 PM
› FirstCycle	10061	PASS	Frances	10/9/2023 3:59:38 PM
› FirstCycle	10062	FAIL	Frances	10/9/2023 4:07:23 PM
› FirstCycle	10058	FAIL	Frances	10/9/2023 4:01:12 PM
› FirstCycle	10059	FAIL	Frances	10/9/2023 4:01:39 PM
› FirstCycle	10063	PASS	Frances	10/9/2023 4:07:53 PM
› FirstCycle	10064	FAIL	Frances	10/9/2023 4:08:32 PM
› FirstCycle	10065	PASS	Frances	10/9/2023 4:09:08 PM
› FirstCycle	10066	FAIL	Frances	10/9/2023 4:09:33 PM





















Size: 50

















# Traceability Matrix












Type: All ▾ Versions: All ▾ Cycles: All ▾ Folders: All ▾ Execution Status: All ▾

Requirements without tests Executions without defects Executions with defects

Issues Showing of 1-10 of 51 [Expand All](#)

Requirements ▾	Tests	Executions	Defects
 FDE-70 Validate User is able to add their country but al...	None	None	None
 FDE-50 Generating Test Reports	None	None	None
 FDE-49 Test Execution	None	None	None
 FDE-48 Test Data Preparation	None	None	None
 FDE-47 Coding	None	None	None
 FDE-46 Designing	None	None	None
 FDE-45 Understanding Requirements	None	None	None
 FDE-44 Generating Test Reports	None	None	None
 FDE-43 Test Execution	None	None	None
 FDE-42 Test Data Preparation	None	None	None
 FDE-41 Coding	None	None	None
 FDE-40 Designing	None	None	None
 FDE-39 Understanding Requirements	None	None	None
 FDE-38 Generating Test Reports	None	None	None
 FDE-37 Test Execution	None	None	None
 FDE-36 Test Data Preparation	None	None	None
 FDE-35 Coding	None	None	None
 FDE-34 Designing	None	None	None
 FDE-33 Understanding Requirements	None	None	None
 FDE-32 Generating Test Reports	None	None	None

 FDE-31 Test Execution	None	None	None
 FDE-30 Test Data Preparation	None	None	None
 FDE-29 Coding	None	None	None
 FDE-28 Designing	None	None	None
 FDE-27 Understanding Requirements	None	None	None
 FDE-26 Generating Test Reports	None	None	None
 FDE-25 Test Execution	None	None	None
 FDE-24 Test Data Preparation	None	None	None
 FDE-23 Coding	None	None	None
 FDE-22 Designing	None	None	None
 FDE-21 Understanding Requirements	None	None	None
 FDE-20 Generating Test Reports	None	None	None
 FDE-19 Test Execution	None	None	None
 FDE-18 Test Data Preparation	None	None	None
 FDE-17 Coding	None	None	None
 FDE-16 Designing	None	None	None
 FDE-15 Understanding Requirements	None	None	None
 FDE-14 Generating Test Reports	None	None	None
 FDE-13 Test Execution	None	None	None
 FDE-12 Test Data Preparation	None	None	None

 FDE-11 Coding	None	None	None
 FDE-10 Designing	None	None	None
 FDE-9 Understanding Requirements	None	None	None
 FDE-8 Admin_Organization_Locations	None	None	None
 FDE-7 Admin_Nationalities	None	None	None
 FDE-6 Time_Timesheets_Employee timesheets	None	None	None
 FDE-5 Time_Timesheets_My timesheets	None	None	None
 FDE-4 Time_Attendance_My records	None	None	None
 FDE-3 Time_Attendance_Employee records	None	None	None
 FDE-2 Login	None	None	None
 FDE-1 Orange HRM_Epic_001	None	None	None

# References

LambdaTest. (2023). *Test Approach Tutorial: A Comprehensive Guide with Examples and Best Practices*. <https://www.lambdatest.com/learning-hub/test-approach>

Parker, R (2019). *Suspension/Resumption in Software Testing – When and How?*  
<https://kualitee.home.blog/2019/03/27/suspension-resumption-in-software-testing-when-and-how/>