Orange HRM Project
- Test Plan -

Revision History

Date	Description	Author	Comments
12.10.2023	v1.01	Dumitru Petruta Ecaterina	More details added on Test Implementation and Test completion

Introduction

This test plan document describes the strategies, process, workflows and methodologies used to plan, organize, execute and manage testing process for OrangeHRM.

1.1 Project Objective

The scope of the final project for ITF Manual Testing Course is to use all gained knowledge through the course and apply them in practice, using a live application.

Application under test:
https://opensource-demo.orangehrmlive.com/web/index.php/auth/login

Username : Admin
Password : admin123

the focus will be only on Time module – Time Sheets

Application documentation:
https://www.orangehrm.com/assets/Files/Complete-Administrative-User-Guide.pdf
page 80

Tools: Jira

1.2 Functionalities in scope

- All the features of Time module which were defined in business requirements need to be tested: functional testing,
- The below user story was created in Jira and describes functional specifications of the Time module

[OP-24] Functions by Admin in Time Module - Time Sheet

Created: 14/Oct/23 12:35 PM - Updated: 14/Oct/23 6:47 PM

Status:	Backlog
Project:	Orange Project
Parent:	OP-3 Time module in the Orange HRM application (Epic)
Component/s:	None
Fix Version/s:	1.01

Type:	Story	**Priority:**	Medium
Reporter:	Dumitru Petruta Ecaterina	**Assignee:**	Unassigned
Resolution:	Unresolved	**Votes:**	0
Labels:	None		
Original Estimate:	Not Specified		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		

Agile	
Epic Link:	Time module

Description

Information regarding the functions can be defined, which can be later used for project management activities.

Preconditions: Have an admin user defined.

Requirements: Depending on each user the functions vary:

- Add project information; customers; projects and activities
- View/Edit/Approve/Reject employee timesheets
- View any employee's attendance records

Acceptance criteria:

The functions should be properly displayed in the web page,

The text should be easily readable, with proper font sizes.

🚩 [OP-4] Project added by Admin in Time Module - Time Sheet
Created: 12/Oct/23 5:09 PM - Updated: 14/Oct/23 7:04 PM

Status:	Backlog
Project:	Orange Project
Parent:	OP-3 Time module in the Orange HRM application (Epic)
Component/s:	None
Fix Version/s:	1.01

Type:	Story	Priority:	Medium
Reporter:	Dumitru Petruta Ecaterina	Assignee:	Unassigned
Resolution:	Unresolved	Votes:	0
Labels:	None		
Original Estimate:	Not Specified		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		

Epic Link:	Time module

Description

The administrators are able to define the projects, which are managed by the company.

Preconditions: Have an admin user defined.

Requirements: Depending on each Admin, the functions vary: add, cancel, delete projects.

Acceptance criteria:

The functions should be properly displayed in the web page and easily accessible.

The selected options should be applied instantly.

The text should be easily readable, with proper font sizes.

1.3 Functionalities and tests out of scope

- No QA support for mobile application developed. Only web application will be tested.
- Automation testing is beyond scope

2. Test process

2.1 Test planning

Roles and responsibilities

Product Owner	Orange HRM Company
Software Developer	Diana Popescu
Tester	Dumitru Petruta Ecaterina

Entry criteria:

- Business specifications are defined
- Roles needed for the project are allocated
- Initial project risks were detected and mitigated

Exit criteria:

- All test cases have been executed
- The unresolved bugs/defects have medium priority
- No detected major risks remained un-mitigated
- All resolved bugs have been retested and approved by the testers
- Regression testing have been ran and no major bugs detected
- All business requirements have been covered by test cases
- All business requirements have been met

Risks:

- Project risks: lack of experience of QA team, lack of tools, short deadline for Jira and Zephyr Squad,
- Product risks: Validation constraints on the fields might be too restrictive to the end user

2.2 Test analysis
- Analyze the business requirements to make sure that we have all the details to create the test conditions
- Write test conditions that will be tested in out test process

2.2 Test design
- Test cases will be created in Jira,
- Black Box test cases will be created in Jira, like boundary value testing test cases.

Example [Boundary Value Test Case pdf]

2.4 Test implementation

Verify if the following elements are ready before test execution:

- Test environment is up and running:
- https://opensource-demo.orangehrmlive.com/web/index.php/auth/login
- Access to test environment is given:

- Cycle summary was created 1.01, Ad hoc
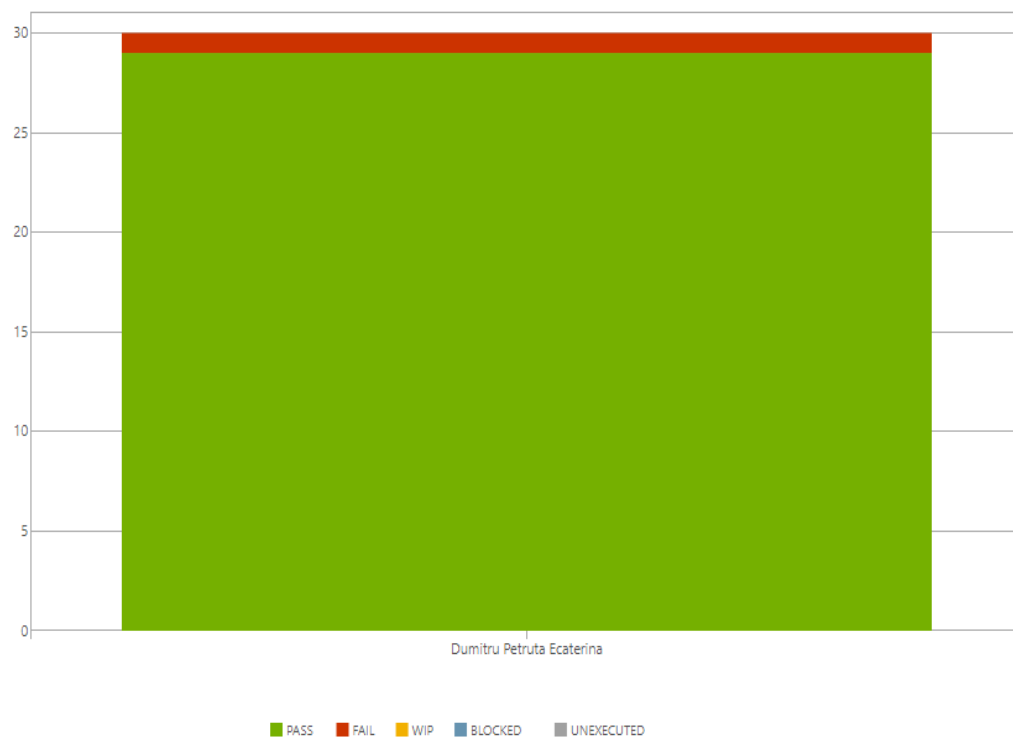- Test cases were added to the cycle summary

2.5 Test execution

- Test cases are executed on the created cycle summary

Test Execution

Orange Project (OP) / Unscheduled
Test Execution by user

Dumitru Petruta Ecaterina

PASS   FAIL   WIP   BLOCKED   UNEXECUTED

- Bugs have been created based on the failed test cases. The complete bug reports can be found here:

[OP-41] BUG - the NAME field accepts 51 chars instead of 50

Created: 14/Oct/23 7:14 PM - Updated: 17/Oct/23 4:53 PM - Resolved: 17/Oct/23 4:53 PM

Status:	Done
Project:	Orange Project
Parent:	OP-3 Time module in the Orange HRM application (Epic)
Component/s:	None
Affects Version/s:	1.01
Fix Version/s:	1.01

Type:	Bug	**Priority:**	Medium
Reporter:	Dumitru Petruta Ecaterina	**Assignee:**	Unassigned
Resolution:	Done	**Votes:**	0
Labels:	None		
Original Estimate:	Not Specified		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		

Agile	
Epic Link:	Time module

Environment

Testing

Description

Verify max accepted chars for CUSTOMER NAME field.

Precondition: Have an admin user defined.

Test steps:

1. Login with admin user
2. Access Menu - Time - Time screen - tab Project info
3. Click on PROJECTS button + ADD project button
4. Project name field - Enter project name

4. Project name field - Enter project name
5. Click on ADD customer button to open the "Add customer" pop-up.
6. a Paste a name that has 51 chars into the Customer Name field 6, b Erase 1 char and check the field behavior again

Test data: user: Admin; pass: admin123

Test result:

(a) for 51 chars in Name field - an error is displayed informing the user that maximum 50 chars are accepted
(b) after deleting 1 char the error message is no longer displayed and the user can save the customer

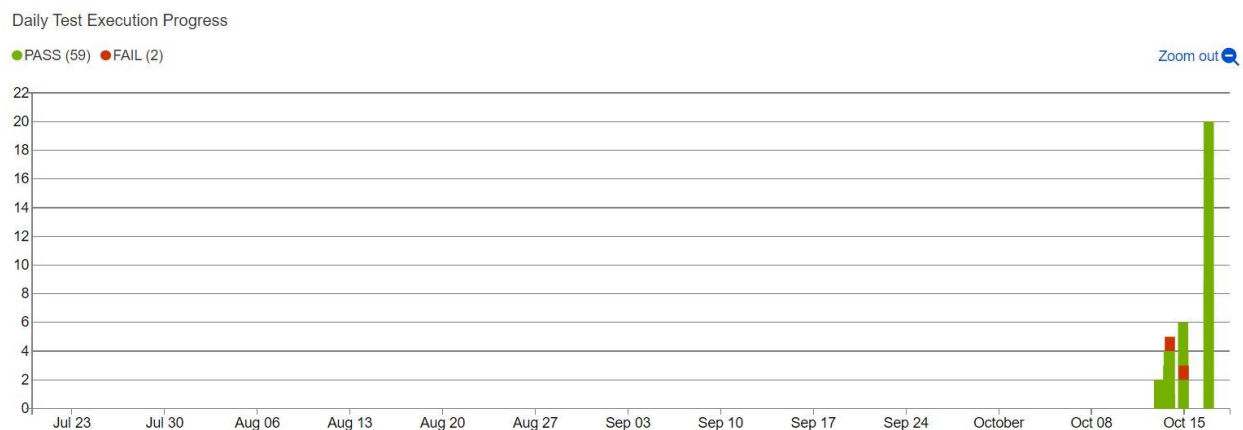Actual result: the NAME field accepts 51 chars instead of 50.

Attachments

2.6 Test closure

- All exit criteria were met as mentioned in the Test Planning section (2.1)
- The traceability matrix was generated to demonstrate the business requirements coverage
- Test execution chart was generated, the final report shows a number of 1 failed test cases of a total 28

2.7 Test monitoring and control

Various periodic reports were generated to reflect the current status of the testing process, in case of major problems control measures could be taken.

Daily Test Execution Progress

PASS (59) FAIL (2)   Zoom out

3. Test deliverables

3.1 Test plan

The plan identifies the items to be tested, the features to be tested, the type of testing to be performed, the roles and responsibilities for the testing process, the resources and schedule required to complete testing and the risks associated with the plan.

3.2 Test conditions

Project added by Admin in Time Module - Time Sheet

Requirements: Depending on each Admin, the functions vary: add, cancel, delete projects.

The functions should be properly displayed in the web page and easily accessible.

The selected options should be applied instantly.

The text should be easily readable, with proper font sizes.

Functions by Admin in Time Module - Time Sheet

Requirements: Depending on each user the functions vary:
- Add project information; customers; projects and activities
- View/Edit/Approve/Reject employee timesheets
- View any employee's attendance records

The functions should be properly displayed in the web page,

The text should be easily readable, with proper font sizes.

3.3 Test cases

Issue		Created	Updated	Progress	9	10	11	12	13	14	15	16	17	18
Orange Project														
OP-5	Add project - admin - verify ADD button presence for the user	2023-10-12	2023-10-16	DONE										
OP-7	Add project - admin - verify ADD project with new defined customer	2023-10-12	2023-10-17	DONE										
OP-8	Add project - admin - verify ADD project using an existing customer	2023-10-13	2023-10-17	DONE										
OP-9	Add project - admin - verify CANCEL button for adding project screen	2023-10-13	2023-10-17	DONE										
OP-10	Add project - admin - verify ADD project using invalid customer name and project admin	2023-10-13	2023-10-17	DONE										
OP-11	Add project - admin - verify ADD project with multiple project admins	2023-10-13	2023-10-17	DONE										
OP-12	Add project - admin - verify ADD project having entered the same project as admin multiple times	2023-10-13	2023-10-17	DONE										
OP-13	Add project - admin - verify that an extra entered project admin can be deleted	2023-10-13	2023-10-17	DONE										
OP-15	Add project - admin - create new customer	2023-10-13	2023-10-17	DONE										
OP-16	Add project - admin - cancel create new customer	2023-10-13	2023-10-17	DONE										
OP-17	Add project - admin - cancel create new customer after having already created a customer	2023-10-13	2023-10-17	DONE										
OP-18	Add project - admin - check closing the ADD CUSTOMER pop-up	2023-10-13	2023-10-17	DONE										
OP-19	Add project - admin - verify that duplicated customers are not accepted	2023-10-13	2023-10-17	DONE										
OP-20	Add project - admin - verify max accepted chars for CUSTOMER NAME field	2023-10-13	2023-10-17	DONE										
OP-21	Add project - admin - verify if CUSTOMER NAME field accepts special characters	2023-10-13	2023-10-17	DONE										
OP-22	Add project - admin - verify max accepted chars for Customer Description field	2023-10-13	2023-10-17	DONE										
OP-29	Add customer - admin - create new customer	2023-10-14	2023-10-17	DONE										
OP-30	Add customer - admin - cancel create new customer	2023-10-14	2023-10-17	DONE										
OP-31	Add customer - admin - verify mandatory fields	2023-10-14	2023-10-17	DONE										
OP-32	Add customer - admin - verify that duplicated customers are not accepted	2023-10-14	2023-10-17	DONE										
OP-33	Add customer - admin - verify max accepted chars for CUSTOMER NAME field	2023-10-14	2023-10-17	DONE										
OP-34	Add customer - admin - verify if CUSTOMER NAME field accepts special characters	2023-10-14	2023-10-17	DONE										
OP-35	Add customer - admin - verify max accepted chars for Customer Description field	2023-10-14	2023-10-17	DONE										
OP-36	View customer - admin - check details for an added customer	2023-10-14	2023-10-17	DONE										
OP-37	Edit customer - admin - edit customer details	2023-10-14	2023-10-17	DONE										
OP-38	Edit customer - admin - cancel edit customer details	2023-10-14	2023-10-17	DONE										
OP-39	Delete customer - admin - delete customer from item button	2023-10-14	2023-10-17	DONE										
OP-40	Delete customer - admin - delete customer from multiple selection delete button	2023-10-14	2023-10-17	DONE										

3.4 Daily test summary report

Test Summary

Total Tests	Total Unexecuted	Total Executed
28	0	28

TESTS BY VERSIONS

Search

Name	Tests
Unscheduled	0
1.01	28

Showing 1 - 2 of 2   Prev   1 of 1   Next

TESTS BY COMPONENTS

Search

Name	Tests
No Component	28

Showing 1 - 1 of 1   Prev   1 of 1   Next

TESTS BY LABELS

Search

Name	Tests
No Label	28

Showing 1 - 1 of 1   Prev   1 of 1   Next

3.5 Traceability matrix

Type	Requirements	Tests	Executions	Defects
Bug	*OP-41 - BUG - the NAME field accepts 51 chars instead of 50 - 1 defect*	*OP-20 - Add project - admin - verify max accepted chars for CUSTOMER NAME field*	Ad hoc - FAIL	OP-20 - Do
Story 1	OP-28 - Delete customer by admin in Time Module	OP-39 - Delete customer - admin - delete customer from item button	Ad hoc - PASS	None
Story 1	OP-28 - Delete customer by admin in Time Module	OP-40 - Delete customer - admin - delete customer from multiple selection delete button	Ad hoc - PASS	None
Story 1	OP-27 - Edit customer by admin in Time Module	OP-37 - Edit customer - admin - edit customer details	Ad hoc - PASS	None
Story 1	OP-27 - Edit customer by admin in Time Module	OP-38 - Edit customer - admin - cancel edit customer details	Ad hoc - PASS	None
Story 1	OP-26 - View customer by admin in Time Module	OP-36 - View customer - admin - check details for an added customer	Ad hoc - PASS	None
Story 1	OP-25 - Add customer by admin in Time Module	OP-29 - Add customer - admin - create new customer	Ad hoc - PASS	None
Story 1	OP-25 - Add customer by admin in Time Module	OP-30 - Add customer - admin - cancel create new customer	Ad hoc - PASS	None
Story 1	OP-25 - Add customer by admin in Time Module	OP-31 - Add customer - admin - verify mandatory fields	Ad hoc - PASS	None
Story 1	OP-25 - Add customer by admin in Time Module	OP-32 - Add customer - admin - verify that duplicated customers are not accepted	Ad hoc - PASS	None
Story 1	OP-25 - Add customer by admin in Time Module	OP-33 - Add customer - admin - verify max accepted chars for CUSTOMER NAME field	Ad hoc - PASS	None
Story 1	OP-25 - Add customer by admin in Time Module	OP-34 - Add customer - admin - verify if CUSTOMER NAME field accepts special characters	Ad hoc - PASS	None
Story 1	OP-25 - Add customer by admin in Time Module	OP-35 - Add customer - admin - verify max accepted chars for Customer Description field	Ad hoc - PASS	None
Story 1	*OP-24 - Functions by Admin in Time Module - Time Sheet*	None		None
Story 2	OP-14 - Add project info - add customer pop-up by admin	OP-15 - Add project - admin - create new customer	Ad hoc - PASS	None
Story 2	OP-14 - Add project info - add customer pop-up by admin	OP-16 - Add project - admin - cancel create new customer	Ad hoc - PASS	None
Story 2	OP-14 - Add project info - add customer pop-up by admin	OP-17 - Add project - admin - cancel create new customer after having already created a custome	Ad hoc - PASS	None
Story 2	OP-14 - Add project info - add customer pop-up by admin	OP-18 - Add project - admin - check closing the ADD CUSTOMER pop-up	Ad hoc - PASS	None
Story 2	OP-14 - Add project info - add customer pop-up by admin	OP-19 - Add project - admin - verify that duplicated customers are not accepted	Ad hoc - PASS	None
Story 2	OP-14 - Add project info - add customer pop-up by admin	OP-20 - Add project - admin - verify max accepted chars for CUSTOMER NAME field	Ad hoc - FAIL	OP-20 - Do
Story 2	OP-14 - Add project info - add customer pop-up by admin	OP-21 - Add project - admin - verify if CUSTOMER NAME field accepts special characters	Ad hoc - PASS	None
Story 2	OP-14 - Add project info - add customer pop-up by admin	OP-22 - Add project - admin - verify max accepted chars for Customer Description field	Ad hoc - PASS	None
Story 2	*OP-5 - Customer added by Admin in Time Module - Time Sheet*	None		None
Story 3	OP-4 - Project added by Admin in Time Module - Time Sheet	OP-6 - Add project - admin - verify ADD button presence for the user	Ad hoc - PASS	None
Story 3	OP-4 - Project added by Admin in Time Module - Time Sheet	OP-7 - Add project - admin - verify ADD project with new defined customer	Ad hoc - PASS	None
Story 3	OP-4 - Project added by Admin in Time Module - Time Sheet	OP-8 - Add project - admin - verify ADD project using an existing customer	Ad hoc - PASS	None
Story 3	OP-4 - Project added by Admin in Time Module - Time Sheet	OP-9 - Add project - admin - verify CANCEL button for adding project screen	Ad hoc - PASS	None
Story 3	OP-4 - Project added by Admin in Time Module - Time Sheet	OP-10 - Add project - admin - verify ADD project using invalid customer name and project admi	Ad hoc - PASS	None
Story 3	OP-4 - Project added by Admin in Time Module - Time Sheet	OP-11 - Add project - admin - verify ADD project with multiple project admins	Ad hoc - PASS	None
Story 3	OP-4 - Project added by Admin in Time Module - Time Sheet	OP-12 - Add project - admin - verify ADD project having entered the same project as admin mul	Ad hoc - PASS	None
Story 3	OP-4 - Project added by Admin in Time Module - Time Sheet	OP-13 - Add project - admin - verify that an extra entered project admin can be deleted	Ad hoc - PASS	None
Epic	*OP-3 - Time module in the Orange HRM application*	None		None

3.6 Test case results

*The test cases results:

-pdf exported from Jira with all test cases and results

3.7 Bugs report

[OP-41] BUG - the NAME field accepts 51 chars instead of 50
Created: 14/Oct/23 7:14 PM - Updated: 17/Oct/23 4:53 PM - Resolved: 17/Oct/23 4:53 PM

Status:	Done
Project:	Orange Project
Parent:	OP-3 Time module in the Orange HRM application (Epic)
Component/s:	None
Affects Version/s:	1.01
Fix Version/s:	1.01

Type:	Bug	**Priority:**	Medium
Reporter:	Dumitru Petruta Ecaterina	**Assignee:**	Unassigned
Resolution:	Done	**Votes:**	0
Labels:	None		
Original Estimate:	Not Specified		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		

Agile	
Epic Link:	Time module

Environment
Testing

Description
Verify max accepted chars for CUSTOMER NAME field.

Precondition: Have an admin user defined.

Test steps:

1. Login with admin user
2. Access Menu - Time - Time screen - tab Project info
3. Click on PROJECTS button + ADD project button
4. Project name field - Enter project name

4. Project name field - Enter project name
5. Click on ADD customer button to open the "Add customer" pop-up.
6. a Paste a name that has 51 chars into the Customer Name field 6, b Erase 1 char and check the field behavior again

Test data: user: Admin; pass: admin123

Test result:

(a) for 51 chars in Name field - an error is displayed informing the user that maximum 50 chars are accepted
(b) after deleting 1 char the error message is no longer displayed and the user can save the customer

Actual result: the NAME field accepts 51 chars instead of 50.

Attachments

Top Defects Impacting Testing

OP / Unscheduled

Top 5 Defects Impacting Testing Report

Back

Defect ID	Summary	Status	Tests Affected
OP-20	Add project - admin - verify max accepted chars for CUSTOMER NAME field	Done	1

3.8 Test completion report

*The test completion report generated from Jira:

-pdf exported from Jira with test completion report

3.9 Schedule

A test schedule includes the testing steps or tasks, the target start and end date and responsibilities.

Task	Data	Team member
Setup Project in Jira	13.10.2023	Dumitru Petruta Ecaterina
Run functional Test Cases	15.10.2023	Dumitru Petruta Ecaterina
Transfer Project in GitHub	18.10.2023	Dumitru Petruta Ecaterina

General conclusions

- Putting the acquired knowledge into practice; testing the ORANGE HRM application: Time Module – Time Sheet, page 80, through the JIRA application and the Zephyr plugin.
- Total number of Story: 3
- Total number of Taste Cases / Total number of Run Test Cases: 28
- Bugs: 1, medium severity, degree of affecting the user: Low
- The application was tested on the selected segment, which has optimal functionality.
- No major defects and impact on the user.
- The segment can be launched in real environment by the client.
- Application documentation: https://www.orangehrm.com/assets/Files/Complete-Administrative-User-Guide.pdf
- Application: https://opensource-demo.orangehrmlive.com/web/index.php/auth/login Username: Admin, Password: admin 123