OrangeHRM Testing Using Robot Framework

A. Test case
1. TC_NavigateToURL: This test case is to navigate to URL https://opensource-demo.orangehrmlive.com/
2. TC_Login: This test case used to valid login
3. TC_SearchUser: This test case used to search user
4. TC_AddDeleteNationality: This test case used to add and delete nationality
5. TC_Logout: This test case used to logout

```
28 *** Test Cases ***
29 TC_NavigateToURL
30     [Documentation]      This test case is to navigate to URL https://opensource-demo.orangehrmlive.com/
31     Open Browser     https://opensource-demo.orangehrmlive.com/     chrome
32     Element Should Be Visible     ${Ttl_LoginPanel}
33     Maximize Browser Window
34
35 TC_Login
36     [Documentation]      This test case used to valid login
37     Input Text     ${Txt_Username}     Admin
38     Input Text     ${Txt_Password}     admin123
39     Click Button     ${Btn_Login}
40     Element Should Be Visible     ${Ttl_Welcome}
41
42 TC_SearchUser
43     [Documentation]      This test case used to search user
44     Click Element     ${Menu_Admin}
45     Element Should Be Visible     ${Ttl_Admin_SystemUsers}
46     Select From List By Value     ${Admin_SelectRole}     2
47     Click Button     ${Btn_Admin_Search}
48     Click Button     ${Btn_Admin_Reset}
49     Input Text     ${Txt_Admin_SearchUsername}     Admin
50     Click Button     ${Btn_Admin_Search}
51     Element Should Be Visible     ${Ttl_Admin_SearchUsername}
52
53 TC_AddDeleteNationality
54     [Documentation]      This test case used to add and delete nationality
55     Click Element     ${Menu_Admin}
56     Click Element     ${Menu_Nationality}
57     Element Should Be Visible     ${Ttl_Nationality_Nationalities}
58     Click Button     ${Btn_Nationality_Add}
59     Input Text     ${Txt_Nationality_Name}     aazahra
60     Click Button     ${Btn_Natinality_Save}
61     Element Should Be Visible     ${Ttl_Nationality_aazahra}
62     Select Checkbox     ${Chk_Nationality_Name}
63     Click Button     ${Btn_Nationality_Delete}
64     Click Button     ${Btn_Nationality_Delete_OK}
65     Element Should Be Visible     ${Ttl_Nationality_aazahra}     message=None
66
67 TC_Logout
68     [Documentation]      This test case used to logout
69     Click Element     ${Ttl_Welcome}
70     Wait Until Element Is Visible     ${Ttl_Logout}
71     Click Element     ${Ttl_Logout}
72     Element Should Be Visible     ${Ttl_LoginPanel}
73     Close Browser
```

B. Scalar variable
1. ${Ttl_LoginPanel}   id=logInPanelHeading
2. ${Txt_Username}   id=txtUsername
3. ${Txt_Password}   id=txtPassword
4. ${Btn_Login}   id=btnLogin
5. ${Ttl_Welcome}   id=welcome

6. ${Menu_Admin}   id=menu_admin_viewAdminModule
7. ${Ttl_Admin_SystemUsers} xpath=//*[@id=\"systemUser-information\"]/div[1]/h1
8. ${Admin_SelectRole}   name=searchSystemUser[userType]
9. ${Btn_Admin_Search}   id=searchBtn
10. ${Btn_Admin_Reset}   id=resetBtn
11. ${Txt_Admin_SearchUsername}   id=searchSystemUser_userName
12. ${Ttl_Admin_SearchUsername} xpath=//*[@id="resultTable"]/tbody/tr/td[2]/a
13. ${Menu_Nationality}   id=menu_admin_nationality
14. ${Btn_Nationality_Add}   id=btnAdd
15. ${Ttl_Nationality_Nationalities} xpath=//*[@id="search-results"]/div[1]/h1
16. ${Txt_Nationality_Name}   id=nationality_name
17. ${Btn_Natinality_Save}   id=btnSave
18. ${Ttl_Nationality_aazahra} xpath=//*[@id="resultTable"]/tbody/tr[1]/td[2]/a
19. ${Chk_Nationality_Name}   name=chkSelectRow[]
20. ${Btn_Nationality_Delete}   id=btnDelete
21. ${Btn_Nationality_Delete_OK}   id=dialogDeleteBtn
22. ${Ttl_Logout}   xpath=//*[@id="welcome-menu"]/ul/li[2]/a

```
4 *** Variables ***
5 ${Ttl_LoginPanel}      id=logInPanelHeading
6 ${Txt_Username}     id=txtUsername
7 ${Txt_Password}      id=txtPassword
8 ${Btn_Login}      id=btnLogin
9 ${Ttl_Welcome}     id=welcome
10 ${Menu_Admin}      id=menu_admin_viewAdminModule
11 ${Ttl_Admin_SystemUsers}     xpath=//*[@id=\"systemUser-information\"]/div[1]/h1
12 ${Admin_SelectRole}      name=searchSystemUser[userType]
13 ${Btn_Admin_Search}      id=searchBtn
14 ${Btn_Admin_Reset}      id=resetBtn
15 ${Txt_Admin_SearchUsername}      id=searchSystemUser_userName
16 ${Ttl_Admin_SearchUsername}      xpath=//*[@id="resultTable"]/tbody/tr/td[2]/a
17 ${Menu_Nationality}      id=menu_admin_nationality
18 ${Btn_Nationality_Add}      id=btnAdd
19 ${Ttl_Nationality_Nationalities}     xpath=//*[@id="search-results"]/div[1]/h1
20 ${Txt_Nationality_Name}      id=nationality_name
21 ${Btn_Natinality_Save}      id=btnSave
22 ${Ttl_Nationality_aazahra}      xpath=//*[@id="resultTable"]/tbody/tr[1]/td[2]/a
23 ${Chk_Nationality_Name}      name=chkSelectRow[]
24 ${Btn_Nationality_Delete}      id=btnDelete
25 ${Btn_Nationality_Delete_OK}      id=dialogDeleteBtn
26 ${Ttl_Logout}      xpath=//*[@id="welcome-menu"]/ul/li[2]/a
```

C.   Report

5 tests total, 5 passed, 0 failed

OrangeHRM Robot Framework Testing Report

Summary Information

Status:	All tests passed
Start Time:	20201002 20:52:14.711
End Time:	20201002 20:52:46.143
Elapsed Time:	00:00:31.432
Log File:	log.html

Test Statistics

Total Statistics	Total	Pass	Fail	Elapsed	Pass / Fail
Critical Tests	5	5	0	00:00:31	
All Tests	5	5	0	00:00:31	

Statistics by Tag	Total	Pass	Fail	Elapsed	Pass / Fail
No Tags					

Statistics by Suite	Total	Pass	Fail	Elapsed	Pass / Fail
OrangeHRM Robot Framework Testing	5	5	0	00:00:31	

Test Details

Totals	Tags	Suites	Search

Type:
- ○ Critical Tests
- ○ All Tests

Test Execution Log

SUITE OrangeHRM Robot Framework Testing		00:00:31.432
Full Name:	OrangeHRM Robot Framework Testing	
Source:	D:\Sekolah QA\Robot Framework\OrangeHRM_Robot_Framework_Testing.robot	
Start / End / Elapsed:	20201002 20:52:14.711 / 20201002 20:52:46.143 / 00:00:31.432	
Status:	5 critical test, 5 passed, 0 failed	
	5 test total, 5 passed, 0 failed	

TEST TC_NavigateToURL		00:00:11.528
Full Name:	OrangeHRM Robot Framework Testing.TC_NavigateToURL	
Documentation:	This test case is to navigate to URL https://opensource-demo.orangehrmlive.com/	
Start / End / Elapsed:	20201002 20:52:14.971 / 20201002 20:52:26.499 / 00:00:11.528	
Status:	PASS (critical)	

KEYWORD Selenium2Library.Open Browser https://opensource-demo.orangehrmlive.com/, chrome		00:00:09.360
KEYWORD Selenium2Library.Element Should Be Visible ${Ttl_LoginPanel}		00:00:00.040
KEYWORD Selenium2Library.Maximize Browser Window		00:00:02.125

TEST TC_Login		00:00:04.855
TEST TC_SearchUser		00:00:04.130
TEST TC_AddDeleteNationality		00:00:07.053
TEST TC_Logout		00:00:03.595

Test Execution Log

SUITE OrangeHRM Robot Framework Testing		00:00:31.432
Full Name:	OrangeHRM Robot Framework Testing	
Source:	D:\Sekolah QA\Robot Framework\OrangeHRM_Robot_Framework_Testing.robot	
Start / End / Elapsed:	20201002 20:52:14.711 / 20201002 20:52:46.143 / 00:00:31.432	
Status:	5 critical test, 5 passed, 0 failed	
	5 test total, 5 passed, 0 failed	

TEST TC_NavigateToURL		00:00:11.528

TEST TC_Login		00:00:04.855
Full Name:	OrangeHRM Robot Framework Testing.TC_Login	
Documentation:	This test case used to valid login	
Start / End / Elapsed:	20201002 20:52:26.505 / 20201002 20:52:31.360 / 00:00:04.855	
Status:	PASS (critical)	

KEYWORD Selenium2Library.Input Text ${Txt_Username}, Admin		00:00:00.134
KEYWORD Selenium2Library.Input Text ${Txt_Password}, admin123		00:00:00.102
KEYWORD Selenium2Library.Click Button ${Btn_Login}		00:00:04.586
KEYWORD Selenium2Library.Element Should Be Visible ${Ttl_Welcome}		00:00:00.031

TEST TC_SearchUser		00:00:04.130
TEST TC_AddDeleteNationality		00:00:07.053
TEST TC_Logout		00:00:03.595

Test Execution Log

SUITE OrangeHRM Robot Framework Testing	00:00:31.432
Full Name: OrangeHRM Robot Framework Testing	
Source: D:\Sekolah QA\Robot Framework\OrangeHRM_Robot_Framework_Testing.robot	
Start / End / Elapsed: 20201002 20:52:14.711 / 20201002 20:52:46.143 / 00:00:31.432	
Status: 5 critical test, 5 passed, 0 failed	
5 test total, 5 passed, 0 failed	

+ TEST TC_NavigateToURL	00:00:11.528 ▾ ▴ 🔗

+ TEST TC_Login	00:00:04.855

− TEST TC_SearchUser	00:00:04.130
Full Name: OrangeHRM Robot Framework Testing.TC_SearchUser	
Documentation: This test case used to search user	
Start / End / Elapsed: 20201002 20:52:31.361 / 20201002 20:52:35.491 / 00:00:04.130	
Status: PASS (critical)	
+ KEYWORD Selenium2Library.**Click Element** ${Menu_Admin}	00:00:01.618
+ KEYWORD Selenium2Library.**Element Should Be Visible** ${Ttl_Admin_SystemUsers}	00:00:00.030
+ KEYWORD Selenium2Library.**Select From List By Value** ${Admin_SelectRole}, 2	00:00:00.064
+ KEYWORD Selenium2Library.**Click Button** ${Btn_Admin_Search}	00:00:00.797
+ KEYWORD Selenium2Library.**Click Button** ${Btn_Admin_Reset}	00:00:00.744
+ KEYWORD Selenium2Library.**Input Text** ${Txt_Admin_SearchUsername}, Admin	00:00:00.099
+ KEYWORD Selenium2Library.**Click Button** ${Btn_Admin_Search}	00:00:00.751
+ KEYWORD Selenium2Library.**Element Should Be Visible** ${Ttl_Admin_SearchUsername}	00:00:00.024

+ TEST TC_AddDeleteNationality	00:00:07.053

+ TEST TC_Logout	00:00:03.595

Test Execution Log

SUITE OrangeHRM Robot Framework Testing	00:00:31.432
Full Name: OrangeHRM Robot Framework Testing	
Source: D:\Sekolah QA\Robot Framework\OrangeHRM_Robot_Framework_Testing.robot	
Start / End / Elapsed: 20201002 20:52:14.711 / 20201002 20:52:46.143 / 00:00:31.432	
Status: 5 critical test, 5 passed, 0 failed	
5 test total, 5 passed, 0 failed	

+ TEST TC_NavigateToURL	00:00:11.528

+ TEST TC_Login	00:00:04.855

+ TEST TC_SearchUser	00:00:04.130

− TEST TC_AddDeleteNationality	00:00:07.053
Full Name: OrangeHRM Robot Framework Testing.TC_AddDeleteNationality	
Documentation: This test case used to add and delete nationality	
Start / End / Elapsed: 20201002 20:52:35.493 / 20201002 20:52:42.546 / 00:00:07.053	
Status: PASS (critical)	
+ KEYWORD Selenium2Library.**Click Element** ${Menu_Admin}	00:00:00.989
+ KEYWORD Selenium2Library.**Click Element** ${Menu_Nationality}	00:00:01.112
+ KEYWORD Selenium2Library.**Element Should Be Visible** ${Ttl_Nationality_Nationalities}	00:00:00.034
+ KEYWORD Selenium2Library.**Click Button** ${Btn_Nationality_Add}	00:00:00.057
+ KEYWORD Selenium2Library.**Input Text** ${Txt_Nationality_Name}, aazahra	00:00:00.095
+ KEYWORD Selenium2Library.**Click Button** ${Btn_Natinality_Save}	00:00:01.418
+ KEYWORD Selenium2Library.**Element Should Be Visible** ${Ttl_Nationality_aazahra}	00:00:00.029
+ KEYWORD Selenium2Library.**Select Checkbox** ${Chk_Nationality_Name}	00:00:01.830
+ KEYWORD Selenium2Library.**Click Button** ${Btn_Nationality_Delete}	00:00:00.065
+ KEYWORD Selenium2Library.**Click Button** ${Btn_Nationality_Delete_OK}	00:00:01.393
+ KEYWORD Selenium2Library.**Element Should Be Visible** ${Ttl_Nationality_aazahra}, message=None	00:00:00.025

+ TEST TC_Logout	00:00:03.595

Test Execution Log

SUITE OrangeHRM Robot Framework Testing	00:00:31.432
Full Name: OrangeHRM Robot Framework Testing	
Source: D:\Sekolah QA\Robot Framework\OrangeHRM_Robot_Framework_Testing.robot	
Start / End / Elapsed: 20201002 20:52:14.711 / 20201002 20:52:46.143 / 00:00:31.432	
Status: 5 critical test, 5 passed, 0 failed	
5 test total, 5 passed, 0 failed	

+ TEST TC_NavigateToURL	00:00:11.528

+ TEST TC_Login	00:00:04.855

+ TEST TC_SearchUser	00:00:04.130

+ TEST TC_AddDeleteNationality	00:00:07.053

− TEST TC_Logout	00:00:03.595
Full Name: OrangeHRM Robot Framework Testing.TC_Logout	
Documentation: This test case used to logout	
Start / End / Elapsed: 20201002 20:52:42.547 / 20201002 20:52:46.142 / 00:00:03.595	
Status: PASS (critical)	
+ KEYWORD Selenium2Library.**Click Element** ${Ttl_Welcome}	00:00:00.053
+ KEYWORD Selenium2Library.**Wait Until Element Is Visible** ${Ttl_Logout}	00:00:00.248
+ KEYWORD Selenium2Library.**Click Element** ${Ttl_Logout}	00:00:01.093
+ KEYWORD Selenium2Library.**Element Should Be Visible** ${Ttl_LoginPanel}	00:00:00.019
+ KEYWORD Selenium2Library.**Close Browser**	00:00:02.179