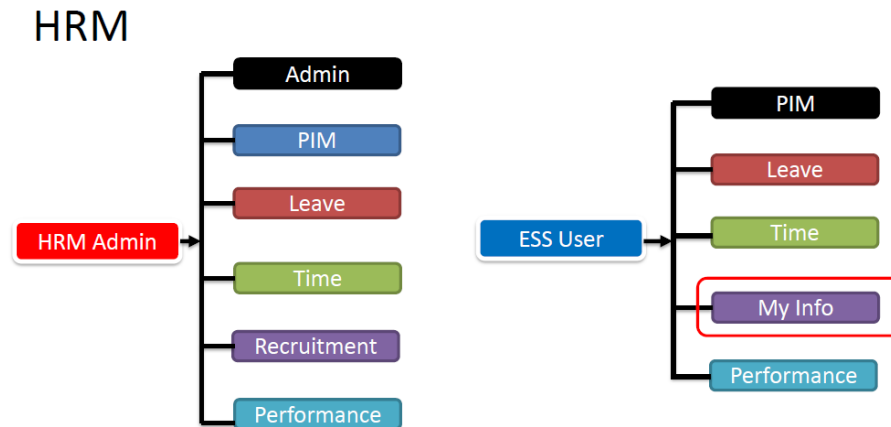# Project Documentation of Orange HRM Software (My Info Module)

Orange HRM is a human resource management (HRM) application. It is accessible to the admins who are HR managers from the admin end, and to employees from the ESS user end.

- ✓ Here from the various modules, I have initially selected the ESS User ---> My Info to be tested manually

According to the Software Testing Life Cycle The steps are:

1. Requirement Analysis

2. Test planning

3. Writing Test Scenarios

4. Test Case Designing

5. Test Execution

6. Identify bugs and create bug reports

7. Test Cycle Closure.

- ✓ Requirement Analysis

So first I read the functional requirements of the My Info module and analyzed the complexity, depth, scope of the testing. Here the reference was the FRS document.

- ✓ Test planning

The Test Plan documentation is usually created by the team lead. According to the test plan documentation following are the areas which need to be tested under My Info documentation

AREAS TO BE TESTED

• My Info Module

• Photograph

• Contact Details

• Emergency Contact

• Dependents

• Immigration

• Job

• Salary

• Report To

• Qualifications

• Membership

AREAS NOT REQUIRING TESTING

Other than the above.

From the Test plan documentation, I understood the scope of our testing and the type of testing which are going to be conducted in this project, as well as there were Software and hardware specifications needed to run the tests, Team information, Schedule details, Risk Management Strategies, Entry Criteria and Exit Criteria.

✓ Writing Test Scenarios

Following the FRS Documentation, I developed the test scenarios as the areas and functionalities which are going to be tested.

Here is a screenshot of my Test Scenario Documentation. I read and analyzed each functionality carefully and prepared the scenarios maintaining the sequence and leaving no requirement unmentioned.

	A	B	C	D	E	F
1	Product Name	Orange HRM	TC Start Date	17-01-21	TC Execution Start Date	
2	Module Name	MY INFO	TC End Date		TC Execution End Date	
3			Test Case Developed By	Madhurjo Das Aishy	Browser (tested)	
4	Developer Name (TL)		Test Case Reviewed By	//	Performance (tested)	No
5	Test Executed by		Madhurjo Das Aishy			
6	Scenario No	Req ID	Test Scenario	Test Case Numbers		
7		1 3.1.1	ESS User Login			
8		2 3..1.1	ESS User Can view Personal Details			
9		3 3.1.1	ESS User Can Edit Personal Details			
10		4 3.1.1	ESS user cannot edit restricted fileds in Personal details			
11		5 3.1.2	ESS user can add a photograph			
12		6 3.1.3	ESS user can view Contact Details			
13		7 3.1.3	ESS user can Edit Contact Details			
14		8 3.1.4	ESS user can add Emergency Contact			
15		9 3.1.4	ESS user can add multiple Emergency Contact			
16		10 3.1.4	ESS user can delete Emergency Contacts			
17		11 3.1.4	ESS user can add attachments			
18		12 3.1.5	ESS user can add Dependents			
19		13 3.1.5	ESS user can add Multiple Dependents			
20		14 3.1.5	ESS user can delete Dependents			
21		15 3.1.5	ESS user can add attachments			
22		16 3.1.6	ESS User can add Immigration details			
23		17 3.1.6	ESS user can add multiple entries of immigration			
		18 3.1.6	ESS User can delete Immigration details			

Test Scenarios

- Developing Test Cases

My next task was to develop the test cases. I again read the FRS Documentation and Following the orders of the Test Scenarios started creating the test cases. I linked each Test case to its parent Test scenario, wrote the steps to execute the test cases, prepared test data and wrote them there. There were 47 test cases altogether.

I got them reviewed by the team lead and got them approved

- Test Execution

My next step was to execute test cases.

1. Test Phases

Pre-requisite: First We have to login as admin and create ESS User account.

URL: https://opensource-demo.orangehrmlive.com/

The first step that I took was to perform **Smoke and Sanity Testing**

- Testing Build installation and stability to check if there is any show stopper bug. (Smoke Testing)
- Basic functionality is working or not. (TAT, BVT, Shakedown)
    ^ Pages are correctly displayed or not
    ^ Login/ Registration is working or not   (Sanity Testing)

After ensuring the build installation and the functionalities I moved to the next phase where I performed functional testing. Here I constructed the plan according to the following test strategies.

- Progression testing
- Regression testing
- Re-testing

During progression testing, I followed the test cases and performed the execution orderly and wrote the executed result and updated its status

- Bug Report Generation

After the execution of the test cases I generated the bug report where I assigned severity and priority to each bug and also described them giving them individual IDs.

Prepared By

Madhurjo Das Aishy

B.Sc(Engineering) in CSE

Dhaka, Bangladesh

Email: mynameisaishy@gmail.com