**Assignment** **- 1**

**Application Name : ORangeHRM**

**Url : https://opensource-demo.orangehrmlive.com/**

**Credentials : Username : Admin | Password : admin123**

**Coverage : Test Automation using Selenium, TestNG, Maven, Apache POI, Extent report etc.**

Resources are expected to automate above website.

1. Identify the test scenario

2. Identify the test cases / test steps with appropriate test data for positive and negative test conditions

3. Create the Maven project with appropriate folders, packages and files

4. Write the test code that can exercise the test cases in step no. 2

**On completing this case study, the resources are expected to demonstrate:**

1. Page Object Model + Data Driven framework + TestNG + Apache POI + Extent Reports

2. Create the corresponding packages for

a. Page Layer : Creating and storing the test object description using Page Factory

b. Test Layer : Multiple test cases using TestNG annotations

c. Test Base : Pre-requisite of initializing the drivers, properties, etc.

d. Configuration files : to store environment variables in .properties file like, URL, Default username and passwords, browser instances etc.

e. Test data files : Excels or properties files

f. Utilities : to store screenshots, reports, excel generic functions, common utilities, emails etc.

g. Reports using HTML, XML, Extent Reports etc.

h. screenshot for the failed test should be made entry in extent report.

\*\* Test executions are expected to be triggered only from Testng.xml file only.

**High-Level plan:**

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com.qa.pages:

OrgangeHRMPages.java

add all the elements description - Create a pageobjectmodel.

com.qa.testscript

1. TestBase.class

setUp(): read the browser and url details from testng.xml file

1. Open the browser \*\* Cross browser testing

2. Launch URL

3. Initialize the Page Object model

tearDown():

1. close browser.

2. TC\_Login.java extends TestBase

public void Login(){

// Write the code to login to the module \*\* username and password should be fetched from credentials.properties file.

// check if the user is landed on the dash board page --> Asserts in TestNG

}

\*\* Login credentials for User name & password should be stored in Credentials.properties file under com.qa.testdata package.

\*\* Execution should be triggered only from testng.xml file

\*\* upon execution, the HTML report should be created under Reports folder.

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