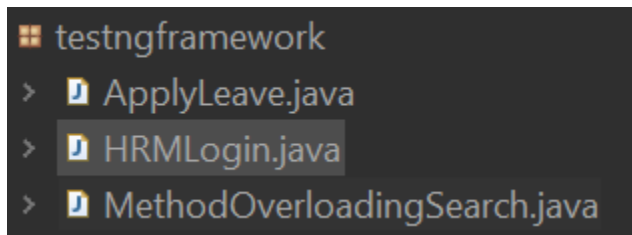# Steps to JAVA Selenium Projects

Automation Testing Stream

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CONTENTS- *TestNG Framework*

Step-1: Created Classes for Package- "testngframework".

Step-2: Code for HRM Leave.

```java
package testngframework;
import java.util.concurrent.TimeUnit;
Run All
public class ApplyLeave {
    private static WebDriver driver = null;
    @Test
    Run | Debug
    public void hrmleave() {
        System.setProperty("webdriver.chrome.driver", "C:\\Krittika\\chromedriver.exe");
        driver = new ChromeDriver();
        driver.get("https://opensource-demo.orangehrmlive.com/web/index.php/auth/login");
        driver.manage().timeouts().implicitlyWait(1000, TimeUnit.MILLISECONDS);
        driver.findElement(By.xpath("//div/input[@name = 'username']")).sendKeys("Admin");
        driver.findElement(By.xpath("//input[@type = 'password']")).sendKeys("admin123");
        driver.findElement(By.xpath("//button[@type = 'submit']")).click();
        driver.findElement(By.linkText("Leave")).click();
        driver.findElement(By.linkText("Apply")).click();
        driver.findElement(By.xpath("//div[@class='oxd-select-text oxd-select-text--active']/div[2]/i")).click();
        driver.findElement(By.xpath("//*[contains(text(),'CAN')]")).click();
        driver.findElement(By.xpath("//div/div[2]/div/div/input")).sendKeys("2022-10-25");
        driver.findElement(By.xpath("//button[@type='submit']")).click();
    }
}
```

Step-3: Code for HRM Login.

```java
package testngframework;
import java.util.concurrent.TimeUnit;
Run All
public class HRMLogin {
    private static WebDriver driver = null;
    @Test
    Run | Debug
    public void login() {
        System.setProperty("webdriver.chrome.driver", "C:\\Krittika\\chromedriver.exe");
        driver = new ChromeDriver();
        driver.get("https://opensource-demo.orangehrmlive.com/web/index.php/auth/login");
        driver.manage().timeouts().implicitlyWait(1000, TimeUnit.MILLISECONDS);
        driver.findElement(By.xpath("//div/input[@name = 'username']")).sendKeys("Admin");
        driver.findElement(By.xpath("//input[@type = 'password']")).sendKeys("admin123");
        driver.findElement(By.xpath("//button[@type = 'submit']")).click();
    }
    @Test
    Run | Debug
    public void logout() {
        driver.findElement(By.xpath("//span[@class='oxd-userdropdown-tab']")).click();
        driver.findElement(By.xpath("//ul/li[4]/a[@role='menuitem']")).click();
    }
}
```

Step-4: Code for Method Overloading Search Operation.

```
Run All
public class MethodOverloadingSearch {
    private static WebDriver driver = null;
    @Test
    Run | Debug
    public void loginsearch() throws InterruptedException {
        System.setProperty("webdriver.chrome.driver", "C:\\Krittika\\chromedriver.exe");
        driver = new ChromeDriver();
        driver.get("https://opensource-demo.orangehrmlive.com/web/index.php/auth/login");
        driver.manage().timeouts().implicitlyWait(1000, TimeUnit.MILLISECONDS);
        driver.findElement(By.xpath("//div/input[@name = 'username']")).sendKeys("Admin");
        driver.findElement(By.xpath("//input[@type = 'password']")).sendKeys("admin123");
        driver.findElement(By.xpath("//button[@type = 'submit']")).click();
        MethodOverloadingSearch func= new MethodOverloadingSearch();
        func.search("Admin");
        func.search("Admin","Paul Collings");
    }
    void search(String userName) throws InterruptedException
    {
        driver.findElement(By.xpath("//a/span")).click();
        Thread.sleep(500);
        driver.findElement(By.xpath("//div[2]/input")).sendKeys(userName);
        driver.findElement(By.xpath("//button[@type = 'submit']")).click();
    }
    void search(String userName, String empName) throws InterruptedException
    {
        driver.findElement(By.xpath("//a/span")).click();
        Thread.sleep(500);
        driver.findElement(By.xpath("//div[2]/input")).sendKeys(userName);
        driver.findElement(By.xpath("//div/div[2]/div/div/input")).sendKeys(empName);
        driver.findElement(By.xpath("//button[@type = 'submit']")).click();
    }
}
```

Step-5: Outputs for HRM Leave.

Step-6: Outputs for HRM Login.

Step-7: Outputs for Method Overloading Search Operation.
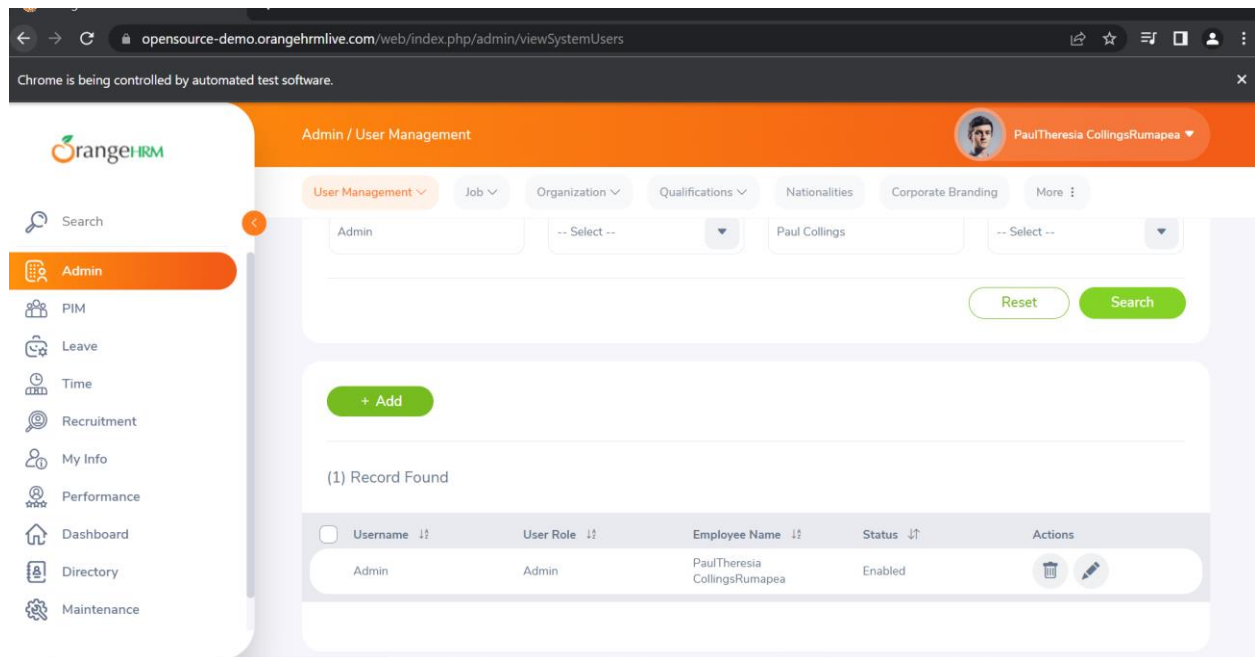
//Search Method 1

//Search Method 2

Step-8: Testing.XML File.


```xml
1 <?xml version="1.0" encoding="UTF-8"?>
2 <!DOCTYPE suite SYSTEM "http://testng.org/testng-1.0.dtd">
3 <suite name="Suite">
4 <test name="Test">
5 <classes>
6 <class name="testngframework.ApplyLeave"/>
7 <class name="testngframework.HRMLogin"/>
8 <class name="testngframework.MethodOverloadingSearch"/>
9 </classes>
10 </test> <!-- Test -->
11 </suite> <!-- Suite -->
```