

## Objective:

Analyze the application, write test cases, identify bugs, and communicate findings effectively.

## Task Overview:(Manual)

### Ans:- **A.Test Scenario (Login Functionality)**

TestCaseID	Test Scenario Description	Test Steps
TC_Login_ID1	Verify valid login	Enter valid username and password,Click log
TC_Login_ID2	Verify login with invalid username	Enter incorrect username with valid password
TC_Login_ID3	Verify login with invalid password	Enter valid username with invalid Password
TC_Login_ID4	Verify login with empty fields	Leave username & password Field blank and click login.
TC_Login_ID5	Check case sensitivity of username And password fields	Enter correct credentials with wrong case sensitivity
TC_Login_ID6	Check Forgot password button	click the button and verify reset

### **B.Test Scenario(View,Update , Delete)**

TestCaseID	Test Scenario Description	Test Steps
TC_Emp_ID1	View all employees	Go to PIM –Employee list
TC_Emp_ID2	Search for an existing employee	Enter employee name/id and Search
TC_Emp_ID3	View individual employee details	Click on an employee from List
TC_Emp_ID4	Update employee details	Click edit on employee profile, Change details and save.

TC_Emp_ID5	Update with invalid data	Enter invalid email/phone Number and try saving
TC_Emp_ID6	Delete an employee record	Select an employee and Click delete
TC_Emp_ID7	Verify confirmation popup on Deleting employee	Try deleting and verify confirmation popup appears
TC_Emp_ID8	Delete without selecting employee	Click delete without selecting any employee

### Task Overview: (Automation)

#### Scenario:

You are required to automate the following workflows using the **Page Object Model (POM)** in the Orange HRM web application.

#### Ans-

```

Public class Automation {

    Public static void main (String args [ ]) throws Interrupted Exception {
        WebDriver driver = new ChromeDriver();
        driver.manage().window().maximize();
        driver.get("https://opensource-demo.orangehrmlive.com/web/index.php/auth/login");

        Thread.sleep(2000);
        WebElement username = driver.findElement(By.name("username"));
        WebElement password = driver.findElement(By.name("password"));
        WebElement loginBtn = driver.findElement(By.xpath("//*[@type='submit']"));

        username.sendKeys("Admin");
        password.sendKeys("admin123");
        loginBtn.click();

        Thread.sleep(3000);
    }
}

```

```

WebElement pimMenu = driver.findElement(By.xpath("//*[text()='PIM']"));
Actions action = new Actions(driver);
action.moveToElement(pimMenu).click().perform();

Thread.sleep(2000);

String[] firstNames = {"Apurva", "Nandini", "Tarak"};
String[] lastNames = {"Panda", "Pv", "Mehta"};

for(int i = 0; i < firstNames.length; i++) {
    Thread.sleep(2000);
    driver.findElement(By.name("firstName")).sendKeys(firstNames[i]);
    driver.findElement(By.name("lastName")).sendKeys(lastNames[i]);
    driver.findElement(By.xpath("//*[contains(text(),'Save')]")).click();
    Thread.sleep(3000);
}

driver.findElement(By.xpath("//*[contains(text(),'Employee List')]")).click();
Thread.sleep(3000);

for(String name : firstNames) {
    List n : names = driver.findElements(By.xpath("//div[@role='row']
//div[3]"));
    boolean found = false;
    for(WebElement n : names){
        if(n.getText().contains(name)) {
            System.out.println(name + " : Name verified ");
            found = true;
            break;
        }
    }
}

If (!found) {
    System.out.println(name + " : Name not found ");
}

}
driver.findElement(By.xpath("//p[@class='oxd-usedropdown-name']")).click();
Thread.sleep(1000);
driver.findElement(By.xpath("//a[text()='Logout']")).click();

Thread.sleep(2000);
driver.quit();
}

```

