1. Create 2 test cases, disable one using enabled = false, and run only the

active test.

import org.openqa.selenium.By;

import org.openqa.selenium.Keys;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.interactions.Actions;

import org.testng.annotations.AfterClass;

import org.testng.annotations.BeforeClass;

import org.testng.annotations.Test;

public class Enable {

WebDriver driver;

@BeforeClass

public void beforeClass() {

driver = new ChromeDriver();

driver.get("https://www.ebay.com/");

driver.manage().window().maximize();

}

@Test(enabled = true)

public void login() throws InterruptedException {

WebElement login = driver.findElement(By.xpath("//\*[@id=\"gh\"]/nav/div[1]/span[1]/span/a"));

login.click();

Thread.sleep(15000);

WebElement name = driver.findElement(By.id("userid"));

name.sendKeys("samyadav1461316@gmail.com");

driver.findElement(By.id("signin-continue-btn")).click();

Thread.sleep(3000);

WebElement pass = driver.findElement(By.id("pass"));

pass.sendKeys("YourPasswordHere");

driver.findElement(By.id("sgnBt")).click();

Thread.sleep(4000);

}

@Test(enabled = false)

public void search() throws InterruptedException {

driver.get("https://www.ebay.com/");

WebElement search = driver.findElement(By.id("gh-ac"));

String[] searches = {"watch", "phone", "laptop"};

for (String s : searches) {

search.sendKeys(s);

search.sendKeys(Keys.ENTER);

Thread.sleep(3000);

search = driver.findElement(By.id("gh-ac"));

search.clear();

}

Thread.sleep(3000);

driver.findElement(By.id("gh-logo")).click();

}

@Test(enabled = true)

public void logout() throws InterruptedException {

WebElement elementToHover = driver.findElement(By.xpath("//button[contains(@aria-label,'My eBay')]"));

Actions actions = new Actions(driver);

actions.moveToElement(elementToHover).perform();

Thread.sleep(3000);

WebElement signOut = driver.findElement(By.xpath("//a[text()='Sign out']"));

signOut.click();

Thread.sleep(3000);

}

@AfterClass

public void afterClass() {

driver.close();

}

}

1. Write a test to run the same test multiple times.

import org.openqa.selenium.By;

import org.openqa.selenium.Keys;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.interactions.Actions;

import org.testng.annotations.AfterClass;

import org.testng.annotations.BeforeClass;

import org.testng.annotations.Test;

public class Repeattest {

WebDriver driver;

@BeforeClass

public void beforeClass() {

driver=new ChromeDriver();

driver.get("https://www.ebay.com/");

driver.manage().window().maximize();

}

@Test(invocationCount = 2)

public void search() throws InterruptedException {

driver.get("https://www.ebay.com/");

WebElement search=driver.findElement(By.id("gh-ac"));

String[] searches= {"watch","phone","laptop"};

for(String s:searches) {

search.sendKeys(s);

search.sendKeys(Keys.ENTER);

Thread.sleep(3000);

search=driver.findElement(By.id("gh-ac"));

search.clear();

}

Thread.sleep(3000);

driver.findElement(By.id("gh-logo")).click();

}

@AfterClass

public void afterClass(){

driver.close();

}

}

3. Write test cases for a dummy login page using @Parameters in

testng.xml.

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import org.testng.annotations.AfterTest;

import org.testng.annotations.BeforeTest;

import org.testng.annotations.Optional;

import org.testng.annotations.Parameters;

import org.testng.annotations.Test;

public class LoginTest {

WebDriver driver;

@BeforeTest

public void setup() {

driver = new ChromeDriver();

driver.manage().window().maximize();

}

@Test

@Parameters({"username", "password"})

public void testLogin(@Optional("username") String username,

@Optional("password") String password) throws InterruptedException {

System.out.println("Username: " + username + " Password: " + password);

driver.get("http://zero.webappsecurity.com/login.html");

WebElement usr = driver.findElement(By.id("user\_login"));

usr.clear();

usr.sendKeys(username);

WebElement psw = driver.findElement(By.id("user\_password"));

psw.clear();

psw.sendKeys(password);

driver.findElement(By.cssSelector("input[name=\"submit\"]")).click();

}

@AfterTest

public void tearDown() {

driver.quit();

}

}

Testng.xml

<suite name="parameterSuite">

<test name="plugintest">

<parameter name="username" value="admin" />

<parameter name="password" value="admin@123" />

<classes>

<class name="Assertsdemo.LoginTest"/>

</classes>

</test>

</suite>

4. Write dependent test cases:

- login()

- search Product() (depends on login)

- logout() (depends on search)

import org.openqa.selenium.By;

import org.openqa.selenium.Keys;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.interactions.Actions;

import org.testng.annotations.AfterClass;

import org.testng.annotations.BeforeClass;

import org.testng.annotations.Test;

public class Dependent {

WebDriver driver;

@BeforeClass

public void beforeClass() {

driver = new ChromeDriver();

driver.get("https://www.ebay.com/");

driver.manage().window().maximize();

}

@Test

public void login() throws InterruptedException {

WebElement login = driver.findElement(By.xpath("//\*[@id='gh']/nav/div[1]/span[1]/span/a"));

login.click();

Thread.sleep(15000);

WebElement name = driver.findElement(By.id("userid"));

name.sendKeys("samyadav1461316@gmail.com");

driver.findElement(By.id("signin-continue-btn")).click();

Thread.sleep(3000);

WebElement pass = driver.findElement(By.id("pass"));

pass.sendKeys("yourPasswordHere");

driver.findElement(By.id("sgnBt")).click();

Thread.sleep(4000);

}

@Test(dependsOnMethods = "login")

public void search() throws InterruptedException {

driver.get("https://www.ebay.com/");

WebElement search = driver.findElement(By.id("gh-ac"));

String[] searches = {"watch", "phone", "laptop"};

for (String s : searches) {

search.sendKeys(s);

search.sendKeys(Keys.ENTER);

Thread.sleep(3000);

search = driver.findElement(By.id("gh-ac"));

search.clear();

}

Thread.sleep(3000);

driver.findElement(By.id("gh-logo")).click();

}

@Test(dependsOnMethods = "search")

public void logout() throws InterruptedException {

WebElement elementToHover = driver.findElement(By.xpath("//button[contains(@aria-label,'My eBay')]"));

Actions actions = new Actions(driver);

actions.moveToElement(elementToHover).perform();

Thread.sleep(3000);

WebElement signOut = driver.findElement(By.xpath("//a[text()='Sign out']"));

signOut.click();

Thread.sleep(3000);

}

@AfterClass

public void afterClass() {

driver.quit();

}

}

5.Use Data Provider to supply multiple sets of usernames/passwords to a login test.

import java.io.FileInputStream;

import java.io.IOException;

import org.apache.poi.ss.usermodel.Cell;

import org.apache.poi.ss.usermodel.Row;

import org.apache.poi.ss.usermodel.Sheet;

import org.apache.poi.ss.usermodel.Workbook;

import org.apache.poi.ss.usermodel.WorkbookFactory;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import org.testng.annotations.DataProvider;

import org.testng.annotations.Test;

public class ExcelTest {

@DataProvider(name = "excelData")

public Object[][] excelDataProvider() throws IOException {

String excelPath = "D:\\java\_selenium\\TestNG\_selenium\\src\\test\\resources\\TestData.xlsx";

String sheetName = "Sheet1";

FileInputStream fis = new FileInputStream(excelPath);

Workbook workbook = WorkbookFactory.create(fis);

Sheet sheet = workbook.getSheet(sheetName);

int rows = sheet.getPhysicalNumberOfRows();

int cols = sheet.getRow(0).getLastCellNum();

Object[][] data = new Object[rows - 1][cols];

for (int i = 1; i < rows; i++) {

Row row = sheet.getRow(i);

for (int j = 0; j < cols; j++) {

Cell cell = row.getCell(j);

data[i - 1][j] = cell.toString();

}

}

workbook.close();

fis.close();

return data;

}

@Test(dataProvider = "excelData")

public void loginTest(String username, String password) throws InterruptedException {

WebDriver driver = new ChromeDriver();

driver.get("https://www.ebay.com/");

driver.manage().window().maximize();

WebElement login = driver.findElement(By.xpath("//\*[@id='gh']/nav/div[1]/span[1]/span/a"));

login.click();

Thread.sleep(5000);

WebElement name = driver.findElement(By.id("userid"));

name.sendKeys(username);

driver.findElement(By.id("signin-continue-btn")).click();

Thread.sleep(2000);

WebElement pass = driver.findElement(By.id("pass"));

pass.sendKeys(password);

driver.findElement(By.id("sgnBt")).click();

Thread.sleep(4000);

driver.quit();

}

}

1. Run test cases in parallel (methods, classes, tests) using parallel attribute in testng.xml.

package Testing\_package;

import org.testng.annotations.Test;

import org.testng.annotations.BeforeTest;

import java.util.ArrayList;

import org.openqa.selenium.By;

import org.openqa.selenium.JavascriptExecutor;

import org.openqa.selenium.Keys;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.interactions.Actions;

import org.testng.annotations.AfterTest;

public class Ebay\_testcases {

WebDriver driver;

@Test(priority=1)

public void login() throws InterruptedException {

WebElement login = driver.findElement(By.xpath("//\*[@id=\"gh\"]/nav/div[1]/span[1]/span/a"));

login.click();

Thread.sleep(30000);

WebElement name = driver.findElement(By.id("userid"));

name.sendKeys("samyadav1461316@gmail.com");

driver.findElement(By.id("signin-continue-btn")).click();

Thread.sleep(3000);

WebElement pass = driver.findElement(By.id("pass"));

pass.sendKeys("Samarth@1234");

driver.findElement(By.id("sgnBt")).click();

Thread.sleep(8000);

}

@Test(priority=2)

public void searchmultipleitems() throws InterruptedException {

driver.get("https://www.ebay.com/");

WebElement search = driver.findElement(By.id("gh-ac"));

String[] searches = {"watch", "phone", "bags", "headphones"};

for(String s : searches) {

search.sendKeys(s);

search.sendKeys(Keys.ENTER);

Thread.sleep(3000);

search = driver.findElement(By.id("gh-ac"));

search.clear();

}

Thread.sleep(3000);

}

@Test(priority=3)

public void addtocart() throws InterruptedException {

driver.findElement(By.id("gh-logo")).click();

Thread.sleep(3000);

WebElement ns = driver.findElement(By.id("gh-ac"));

ns.sendKeys("mobile phones");

ns.sendKeys(Keys.ENTER);

Thread.sleep(3000);

driver.findElement(By.cssSelector("img[alt=\"Samsung Galaxy S10 5G Crown Silver 256 GB Verizon Smart Phone\"]")).click();

Thread.sleep(6000);

ArrayList<String> tabs = new ArrayList<>(driver.getWindowHandles());

driver.switchTo().window(tabs.get(1));

JavascriptExecutor js = (JavascriptExecutor) driver;

js.executeScript("window.scrollBy(0,400)");

driver.findElement(By.id("atcBtn\_btn\_1")).click();

Thread.sleep(7000);

driver.close();

driver.switchTo().window(tabs.get(0));

Thread.sleep(3000);

js.executeScript("window.scrollBy(0,-400)");

driver.findElement(By.id("gh-logo")).click();

Thread.sleep(3000);

driver.findElement(By.cssSelector("span[class=\"gh-cart\_\_icon\"]")).click();

driver.findElement(By.cssSelector("button[data-test-id=\"cart-remove-item\"]")).click();

driver.findElement(By.id("gh-logo")).click();

Thread.sleep(3000);

}

@Test(priority=4)

public void changeaddress() throws InterruptedException {

Thread.sleep(3000);

driver.get("https://accountsettings.ebay.com/uas");

Thread.sleep(3000);

driver.findElement(By.id("account-settings-link-PI")).click();

Thread.sleep(3000);

JavascriptExecutor js = (JavascriptExecutor) driver;

js.executeScript("window.scrollBy(0,400)");

driver.findElement(By.id("individual\_personal\_info\_address\_edit\_button")).click();

Thread.sleep(3000);

js.executeScript("window.scrollBy(0,400)");

WebElement inp = driver.findElement(By.id("addressLine1"));

inp.clear();

inp.sendKeys("Uppal");

WebElement ct = driver.findElement(By.id("city"));

ct.clear();

ct.sendKeys("Hyderabad");

driver.findElement(By.cssSelector("select>option[value=\"TS\"]"));

WebElement pc = driver.findElement(By.id("postalCode"));

pc.clear();

pc.sendKeys("500039");

driver.findElement(By.id("address\_edit\_submit\_button")).click();

Thread.sleep(5000);

}

@Test(priority=5)

public void shopbycategory() throws InterruptedException {

driver.findElement(By.cssSelector("button[aria-controls=\"s0-1-4-12-0-1-dialog\"]")).click();

Thread.sleep(3000);

driver.findElement(By.cssSelector("a[\_sp=\"m570.l3410\"]")).click();

Thread.sleep(4000);

driver.findElement(By.xpath("/html/body/div[2]/div[2]/section[2]/section/div/ul/li[3]/span/a")).click();

Thread.sleep(6000);

driver.findElement(By.xpath("/html/body/div[2]/div[2]/section[1]/div/nav/ul/li[1]/a")).click();

Thread.sleep(3000);

}

@Test(priority=6)

public void shopbycategoryall() throws InterruptedException {

driver.findElement(By.cssSelector("select>option[value=\"12576\"]")).click();

Thread.sleep(3000);

driver.findElement(By.id("gh-search-btn")).click();

Thread.sleep(3000);

driver.findElement(By.xpath("/html/body/div[2]/div[2]/section[1]/div/nav/ul/li[1]/a")).click();

Thread.sleep(3000);

}

@Test(priority=7)

public void footerlink() throws InterruptedException {

driver.findElement(By.cssSelector("a[\_exsp=\"m571.l2943\"]")).click();

Thread.sleep(3000);

driver.navigate().back();

Thread.sleep(3000);

}

@Test(priority=8)

public void logout() throws InterruptedException {

WebElement elementToHover = driver.findElement(By.cssSelector("span>div[class=\"gh-flyout is-left-aligned\"]"));

Actions actions = new Actions(driver);

actions.moveToElement(elementToHover).build().perform();

Thread.sleep(5000);

driver.findElement(By.cssSelector("a[\_sp=\"m570.l2622\"]")).click();

Thread.sleep(5000);

}

@BeforeTest

public void beforeTest() throws InterruptedException {

driver = new ChromeDriver();

driver.get("https://www.ebay.com/");

driver.manage().window().maximize();

Thread.sleep(5000);

}

@AfterTest

public void afterTest() {

driver.close();

}

}

package Testing\_package;

import org.testng.annotations.Test;

import org.testng.annotations.BeforeTest;

import java.util.ArrayList;

import org.openqa.selenium.By;

import org.openqa.selenium.JavascriptExecutor;

import org.openqa.selenium.Keys;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.firefox.FirefoxDriver;

import org.openqa.selenium.interactions.Actions;

import org.testng.annotations.AfterTest;

public class Ebay\_firefoxbrowser {

WebDriver driver;

@Test(priority=1)

public void login() throws InterruptedException {

WebElement login = driver.findElement(By.xpath("//\*[@id=\"gh\"]/nav/div[1]/span[1]/span/a"));

login.click();

Thread.sleep(10000);

WebElement name = driver.findElement(By.id("userid"));

name.sendKeys("samyadav1461316@gmail.com");

driver.findElement(By.id("signin-continue-btn")).click();

Thread.sleep(3000);

WebElement pass = driver.findElement(By.id("pass"));

pass.sendKeys("Samarth@1234");

driver.findElement(By.id("sgnBt")).click();

Thread.sleep(4000);

}

@Test(priority=2)

public void searchmultipleitems() throws InterruptedException {

driver.get("https://www.ebay.com/");

WebElement search = driver.findElement(By.id("gh-ac"));

String[] searches = {"watch", "phone", "laptop"};

for (String s : searches) {

search.sendKeys(s);

search.sendKeys(Keys.ENTER);

Thread.sleep(3000);

if (!s.equals("laptop")) {

search = driver.findElement(By.id("gh-ac"));

search.clear();

}

}

Thread.sleep(3000);

}

@Test(priority=3)

public void addtocart() throws InterruptedException {

driver.findElement(By.id("gh-logo")).click();

Thread.sleep(3000);

WebElement ns = driver.findElement(By.id("gh-ac"));

ns.sendKeys("mobile phones");

ns.sendKeys(Keys.ENTER);

Thread.sleep(3000);

driver.findElement(By.cssSelector("img[alt=\"Samsung Galaxy S10 5G Crown Silver 256 GB Verizon Smart Phone\"]")).click();

Thread.sleep(6000);

ArrayList<String> tabs = new ArrayList<>(driver.getWindowHandles());

driver.switchTo().window(tabs.get(1));

JavascriptExecutor js = (JavascriptExecutor) driver;

js.executeScript("window.scrollBy(0,400)");

driver.findElement(By.id("atcBtn\_btn\_1")).click();

Thread.sleep(7000);

driver.close();

driver.switchTo().window(tabs.get(0));

Thread.sleep(3000);

js.executeScript("window.scrollBy(0,-400)");

driver.findElement(By.id("gh-logo")).click();

Thread.sleep(3000);

driver.findElement(By.cssSelector("span[class=\"gh-cart\_\_icon\"]")).click();

driver.findElement(By.cssSelector("button[data-test-id=\"cart-remove-item\"]")).click();

driver.findElement(By.id("gh-logo")).click();

Thread.sleep(3000);

}

public void changeloginname() throws InterruptedException {

WebElement elementToHover = driver.findElement(By.cssSelector("div[class=\"ghnav\_\_left-wrap\"]"));

Actions actions = new Actions(driver);

actions.moveToElement(elementToHover).build().perform();

Thread.sleep(3000);

driver.get("https://accountsettings.ebay.com/uas");

Thread.sleep(3000);

driver.findElement(By.id("account-settings-link-PI")).click();

Thread.sleep(3000);

driver.findElement(By.id("individual\_username\_edit\_button")).click();

Thread.sleep(3000);

WebElement inp = driver.findElement(By.id("user\_name"));

inp.clear();

inp.sendKeys("samarth123456");

driver.findElement(By.id("username\_submit\_edit\_btn")).click();

Thread.sleep(5000);

WebElement name = driver.findElement(By.id("userid"));

name.sendKeys("samyadav1461316@gmail.com");

driver.findElement(By.id("signin-continue-btn")).click();

Thread.sleep(3000);

WebElement pass = driver.findElement(By.id("pass"));

pass.sendKeys("Samarth@1234");

driver.findElement(By.id("sgnBt")).click();

Thread.sleep(4000);

}

@Test(priority=4)

public void changeaddress() throws InterruptedException {

Thread.sleep(3000);

driver.get("https://accountsettings.ebay.com/uas");

Thread.sleep(3000);

driver.findElement(By.id("account-settings-link-PI")).click();

Thread.sleep(3000);

JavascriptExecutor js = (JavascriptExecutor) driver;

js.executeScript("window.scrollBy(0,400)");

driver.findElement(By.id("individual\_personal\_info\_address\_edit\_button")).click();

Thread.sleep(3000);

js.executeScript("window.scrollBy(0,400)");

WebElement inp = driver.findElement(By.id("addressLine1"));

inp.clear();

inp.sendKeys("Khargone");

WebElement ct = driver.findElement(By.id("city"));

ct.clear();

ct.sendKeys("Madhya Pradesh");

driver.findElement(By.cssSelector("select>option[value=\"TS\"]"));

WebElement pc = driver.findElement(By.id("postalCode"));

pc.clear();

pc.sendKeys("451001");

driver.findElement(By.id("address\_edit\_submit\_button")).click();

Thread.sleep(5000);

}

@Test(priority=5)

public void shopbycategory() throws InterruptedException {

driver.findElement(By.cssSelector("button[aria-controls=\"s0-1-4-12-0-1-dialog\"]")).click();

Thread.sleep(3000);

driver.findElement(By.cssSelector("a[\_sp=\"m570.l3410\"]")).click();

Thread.sleep(4000);

driver.findElement(By.xpath("/html/body/div[2]/div[2]/section[2]/section/div/ul/li[3]/span/a")).click();

Thread.sleep(6000);

driver.findElement(By.xpath("/html/body/div[2]/div[2]/section[1]/div/nav/ul/li[1]/a")).click();

Thread.sleep(3000);

}

@Test(priority=6)

public void shopbycategoryall() throws InterruptedException {

driver.findElement(By.cssSelector("select>option[value=\"12576\"]")).click();

Thread.sleep(3000);

driver.findElement(By.id("gh-search-btn")).click();

Thread.sleep(3000);

driver.findElement(By.xpath("/html/body/div[2]/div[2]/section[1]/div/nav/ul/li[1]/a")).click();

Thread.sleep(3000);

}

@BeforeTest

public void beforeTest() throws InterruptedException {

driver = new FirefoxDriver();

driver.get("https://www.ebay.com/");

driver.manage().window().maximize();

Thread.sleep(5000);

}

@AfterTest

public void afterTest() {

driver.close();

}

}

**Testng.xml**

**<!DOCTYPE suite SYSTEM "https://testng.org/testng-1.1.dtd" >**

**<suite name="ParallelSuite" parallel="classes" thread-count="3">**

**<test name="ParallelTestExecution">**

**<classes>**

**<class name="Testing\_package.Ebay\_testcases"/>**

**<class name="Testing\_package.Ebay\_edgebrowser"/>**

**<class name="Testing\_package.Ebay\_firefoxbrowser"/>**

**</classes>**

**</test>**

**</suite>**