Implicit wait, Explecit wait, Fluent wait.

package Selenium.Framework;

import java.util.NoSuchElementException;

import java.util.concurrent.TimeUnit;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.firefox.FirefoxDriver;

import org.openqa.selenium.support.ui.ExpectedConditions;

import org.openqa.selenium.support.ui.FluentWait;

import org.openqa.selenium.support.ui.Wait;

import org.openqa.selenium.support.ui.WebDriverWait;

public class Waits {

public static void main(String[] args) {

// TODO Auto-generated method stub

WebDriver driver = new FirefoxDriver();

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

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

//Implicit Wait

driver.manage().timeouts().implicitlyWait(30, TimeUnit.SECONDS);

String title= driver.getTitle();

String expected = "Google";

if(title.equals(expected)){

System.out.println("Title is "+ title);

}

WebElement searchField= driver.findElement(By.id("lst-ib"));

//Explicit Wait

WebDriverWait wait = new WebDriverWait(driver, 30);

wait.until(ExpectedConditions.visibilityOf(searchField));

//Fluent Wait

Wait<WebDriver> wait2 = new FluentWait<WebDriver>(driver)

.withTimeout(30, TimeUnit.SECONDS)

// which to check for the condition with interval of 5 seconds.

.pollingEvery(5, TimeUnit.SECONDS)

//Which will ignore the NoSuchElementException

.ignoring(NoSuchElementException.class) ;

wait2.until(ExpectedConditions.visibilityOf(searchField));

driver.quit();

System.out.println("Session Ended");

}

}

Screenshots

package Selenium.Framework;

import java.io.File;

import java.util.concurrent.TimeUnit;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.firefox.FirefoxDriver;

public class ScreenShots {

public static void main(String[] args) {

// TODO Auto-generated method stub

WebDriver driver = new FirefoxDriver();

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

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

//Implicit Wait

driver.manage().timeouts().implicitlyWait(30, TimeUnit.SECONDS);

File file = new File("Screenshots" +" " + "Results");

if (!file.exists()) {

System.out.println("File created " + file);

file.mkdir();

}

driver.quit();

}

}

Locators

package Selenium.Framework;

import java.util.List;

import java.util.NoSuchElementException;

import java.util.concurrent.TimeUnit;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.firefox.FirefoxDriver;

import org.openqa.selenium.support.ui.ExpectedConditions;

import org.openqa.selenium.support.ui.FluentWait;

import org.openqa.selenium.support.ui.Wait;

import org.openqa.selenium.support.ui.WebDriverWait;

public class Locators {

public static void main(String[] args) {

// TODO Auto-generated method stub

WebDriver driver = new FirefoxDriver();

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

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

//Implicit Wait

driver.manage().timeouts().implicitlyWait(30, TimeUnit.SECONDS);

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

WebElement pwd= driver.findElement(By.name("pass"));

WebElement loginBtn= driver.findElement(By.xpath("//input[@value='Log In']"));

WebElement text= driver.findElement(By.partialLinkText(" free and always will be"));

WebElement firstName= driver.findElement(By.cssSelector("#u\_0\_1"));

List<WebElement> links= driver.findElements(By.tagName("a"));

WebElement textField= driver.findElement(By.className("mtm \_5wa2 \_5dbb"));

WebElement link= driver.findElement(By.linkText(" Find more "));

driver.quit();

System.out.println("Session Ended");

}

}

App

**package** Selenium.Framework;

/\*\*

\* Hello world!

\*

\*/

**public** **class** App

{

**public** **static** **void** main( String[] args )

{

System.***out***.println( "Hello World!" );

}

}

write code to verify any application login page is working or not

**package Selenium.Framework;**

**import java.util.concurrent.TimeUnit;**

**import org.openqa.selenium.By;**

**import org.openqa.selenium.WebDriver;**

**import org.openqa.selenium.WebElement;**

**import org.openqa.selenium.firefox.FirefoxDriver;**

**public class AmazoneTest {**

**public static void main(String[] args)throws InterruptedException {**

**// TODO Auto-generated method stub**

**WebDriver driver = new FirefoxDriver ();**

**driver.navigate().to("https://www.amazon.com/");**

**driver.manage().timeouts().implicitlyWait(30,TimeUnit.SECONDS);**

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

**Thread.sleep(2000);**

**WebElement page = driver.findElement(By.id("nav-link-yourAccount"));**

**page.click();**

**// WebElement p= driver.findElement(By.xpath("//div[@id='nav-flyout-ya-newCust']/a"));**

**// p.click();**

**driver.navigate().forward();**

**System.out.println(driver.getTitle());**

**Thread.sleep(2000);**

**WebElement we = driver.findElement(By.id("createAccountSubmit"));**

**we.click();**

**driver.navigate().forward();**

**WebElement name = driver.findElement(By.id("ap\_customer\_name"));**

**name.clear();**

**name.sendKeys("Srilakshmi panchumarthi");**

**Thread.sleep(1000);**

**WebElement email = driver.findElement(By.id("ap\_email"));**

**email.clear();**

**email.sendKeys("xxx@gmail.com");**

**Thread.sleep(1000);**

**WebElement pwd = driver.findElement(By.id("ap\_password"));**

**pwd.clear();**

**pwd.sendKeys("@B1i2k3e4");**

**Thread.sleep(1000);**

**WebElement pwdAgain = driver.findElement(By.id("ap\_password\_check"));**

**pwdAgain.clear();**

**pwdAgain.sendKeys("@B1i2k3e4");**

**Thread.sleep(1000);**

**//pwdAgain.submit();**

**}**

**}**

|  |
| --- |
| **how to select items from dropdown/select box** |
| **how to know if checkbox is checked or not in webpage** |
| **tell me code to pass values from parent window to child window** |
| **write code to find out if all links are working or not** |
| **write code on how to use javascriptexecutor?** |
| **difference between assert and verify?** |
| **difference between driver.close and driver.quit methods?** |

**package** Selenium.Framework;

**import** java.util.concurrent.TimeUnit;

**import** org.openqa.selenium.By;

**import** org.openqa.selenium.JavascriptExecutor;

**import** org.openqa.selenium.WebDriver;

**import** org.openqa.selenium.WebElement;

**import** org.openqa.selenium.firefox.FirefoxDriver;

**public** **class** AmazoneCartTest {

**public** **static** **void** main(String[] args) **throws** InterruptedException {

// **TODO** Auto-generated method stub

WebDriver driver = **new** FirefoxDriver ();

driver.navigate().to("https://www.amazon.com/");

driver.manage().timeouts().implicitlyWait(30,TimeUnit.***SECONDS***);

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

Thread.*sleep*(2000);

WebElement ty = driver.findElement(By.*id*("twotabsearchtextbox"));

ty.clear();

ty.sendKeys("iphone");

ty.submit();

driver.navigate().forward();

System.***out***.println(driver.getTitle());

Thread.*sleep*(2000);

WebElement prime = driver.findElement(By.*xpath*("//ul[@id='ref\_2470954011']//img[@alt='Prime Eligible']"));

prime.click();

Thread.*sleep*(2000);

WebElement brand = driver.findElement(By.*xpath*("//div[@id='refinements']//h2[text()='Brand']"));

((JavascriptExecutor)driver).executeScript("arguments[0].srollIntoView(true)",brand);

Thread.*sleep*(2000);

WebElement gb = driver.findElement(By.*xpath*("//ul[@id='ref\_7805160011']//img[@alt='64 GB']"));

gb.click();

Thread.*sleep*(2000);

WebElement price = driver.findElement(By.*xpath*("//div[@id='refinements']//h2[text()='Price']"));

((JavascriptExecutor)driver).executeScript("arguments[0].srollIntoView(true)",price);

Thread.*sleep*(2000);

WebElement newLink = driver.findElement(By.*xpath*("//ul[@id='ref\_6503239011']//span[text()='New']"));

newLink.click();

Thread.*sleep*(2000);

WebElement move = driver.findElement(By.*xpath*("//div[@id='refinements']//h2[text()='Cell Phone Display Size']"));

((JavascriptExecutor)driver).executeScript("arguments[0].srollIntoView(true)",move);

Thread.*sleep*(2000);

WebElement phone = driver.findElement(By.*xpath*("//li[@id='result\_9']//h2[text()='Apple iphone 6 64GB Unlocked Smartphone - Gold (Certified)]"));

phone.click();

driver.navigate().forward();

System.***out***.println(driver.getTitle());

WebElement gb128 = driver.findElement(By.*id*("a-autoid-11-announce"));

gb128.click();

WebElement addToCart = driver.findElement(By.*id*("add-to-cart-button"));

addToCart.click();

driver.navigate().forward();

System.***out***.println(driver.getTitle());

WebElement proceedToCheckOut = driver.findElement(By.*id*("h1b-ptc-btn-native"));

proceedToCheckOut.click();

driver.navigate().forward();

System.***out***.println(driver.getTitle());

}

}