Flipkart Code

import java.util.concurrent.TimeUnit;

import org.openqa.selenium.By;

import org.openqa.selenium.NoSuchElementException;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.edge.EdgeDriver;

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.WebDriverWait;

import com.google.common.base.Function;

import org.testng.annotations.BeforeTest;

import org.testng.annotations.Parameters;

import org.testng.annotations.Test;

public class automateFlipkart {

public static WebDriver driver;

public static String driverPath = "C:\workspace\tools\selenium\";

public static String sBookKey = "Selenium";

private static final String sSearchBox = "fk-top-search-box";

private static final String sSearchResult = "//li[contains(text(),'in')]//span";

private static final String sBookName = "(//a[contains(.,'" + sBookKey + "')])[last()]";

private static final String sAddToCart = "(//input[contains(@value,'Add to Cart')])[1]";

private static final String sViewCartXPath = "(//a[contains(.,'view cart')])[1]";

@BeforeTest

@Parameters("browser")

public void setup(String browser) throws Exception{

//Check if parameter passed from TestNG is 'firefox'

if(browser.equalsIgnoreCase("firefox")){

//create firefox instance

System.setProperty("webdriver.firefox.marionette", ".\\geckodriver.exe");

driver = new FirefoxDriver();

}

//Check if parameter passed as 'chrome'

else if(browser.equalsIgnoreCase("chrome")){

//set path to chromedriver.exe

System.setProperty("webdriver.chrome.driver",".\\chromedriver.exe");

//create chrome instance

driver = new ChromeDriver();

}

//Check if parameter passed as 'Edge'

else if(browser.equalsIgnoreCase("Edge")){

//set path to Edge.exe

System.setProperty("webdriver.edge.driver",".\\MicrosoftWebDriver.exe");

//create Edge instance

driver = new EdgeDriver();

}

else{

//If no browser passed throw exception

throw new Exception("Browser is not correct");

}

driver.manage().timeouts().implicitlyWait(10, TimeUnit.SECONDS);

} driver.get(URL);

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

}

@Test

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

initWebDriver("http://www.flipkart.com");

flipkartLogin();

driver.findElement(By.id(sSearchBox)).sendKeys(sBookKey);

WebElement searchResult = getElement(By.xpath(sSearchResult));

searchResult.click();

WebDriverWait wait = new WebDriverWait(driver, 30);

wait.until(ExpectedConditions.elementToBeClickable(By.xpath(sBookName))).click();

wait.until(ExpectedConditions.elementToBeClickable(By.xpath(sAddToCart))).click();

getElement(By.xpath(sViewCartXPath)).click();

getElement(By.cssSelector("form[id='view-cart-form'] button")).click();

getElement(By.xpath("//input[@id='email' and @name='email']")).sendKeys("test@testmail.com");

// pause for a second and close the browser.

Thread.sleep(1000);

endSession();

}

public static WebElement getElement(final By locator) {

FluentWait<WebDriver> wait = new FluentWait<WebDriver>(driver).withTimeout(30, TimeUnit.SECONDS)

.pollingEvery(5, TimeUnit.SECONDS).ignoring(NoSuchElementException.class);

WebElement element = wait.until(new Function<WebDriver, WebElement>() {

@Override

public WebElement apply(WebDriver arg0) {

return arg0.findElement(locator);

}

});

return element;

}

public static void flipkartLogin() {

driver.findElement(By.linkText("Log In")).click();

// TBD: Fill your username/password of flipkart.

getElement(By.cssSelector("input[placeholder='Enter email/mobile']")).sendKeys("");

getElement(By.cssSelector("input[placeholder='Enter password']")).sendKeys("");

getElement(By.cssSelector("input[value='Login'][class='submit-btn login-btn btn']")).click();

try {

Thread.sleep(1000);

} catch (InterruptedException e) {

// TBD: Auto-generated catch block.

e.printStackTrace();

}

}

public static void endSession() {

driver.close();

driver.quit();

}

}