package SeleniumSessions;

import org.openqa.selenium.Alert;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import io.github.bonigarcia.wdm.WebDriverManager;

public class AlertJSPopUpHandle {

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

WebDriverManager.chromedriver().setup();

WebDriver driver = new ChromeDriver();// launch chrome

driver.get("https://mail.rediff.com/cgi-bin/login.cgi");

WebElement goButton = driver.findElement(By.name("proceed"));

goButton.click();// click on go button

Thread.sleep(5000);

Alert alert = driver.switchTo().alert();

String text = alert.getText();

System.out.println(text);

if(text.equals("Please enter a valid user name")){

System.out.println("correct alert text");

}else{

System.out.println("Incorrect alert text");

}

alert.accept(); //click on OK button

//alert.dismiss();//used to dismiss the alert

}

}

package SeleniumSessions;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

import io.github.bonigarcia.wdm.WebDriverManager;

public class AuthPopUpAlert {

public static void main(String[] args) {

WebDriverManager.chromedriver().setup();

WebDriver driver = new ChromeDriver();

String username = "admin";

String password = "admin";

//driver.get("http://admin:admin@the-internet.herokuapp.com/basic\_auth");

driver.get("http://"+username+":"+password+"@"+"the-internet.herokuapp.com/basic\_auth");

//frame

//browser window pop up

}

}

package SeleniumSessions;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.firefox.FirefoxDriver;

import io.github.bonigarcia.wdm.WebDriverManager;

public class CrossBrowser {

public WebDriver driver;

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

// CrossBrowser obj = new CrossBrowser();

// WebDriver driver = obj.initDriver("chrome");

// obj.launchURL("http://www.google.com");

// String title = obj.getPageTitle();

// System.out.println(title);

//

// // verification point: checkpoint

// if (title.equals("Google")) {

// System.out.println("title is correct");

// } else {

// System.out.println("in correct title");

// }

//

// obj.closeBrowser();

CrossBrowser obj = new CrossBrowser();

WebDriver driver = obj.initDriver("chrome");

obj.launchURL("https://app.hubspot.com/login");

Thread.sleep(5000);

//page locators: Page Objects

By emailId = By.id("username");

By pwd = By.id("password");

By loginButton = By.id("loginBtn");

By signUpLink = By.linkText("Sign up");

obj.getElement(emailId).sendKeys("test@gmail.com");

obj.getElement(pwd).sendKeys("test@123");

obj.getElement(loginButton).click();

obj.getElement(signUpLink).click();

obj.closeBrowser();

}

public WebDriver initDriver(String browser) {

if (browser.equals("chrome")) {

WebDriverManager.chromedriver().setup();

driver = new ChromeDriver();

} else if (browser.equals("firefox")) {

WebDriverManager.firefoxdriver().setup();

driver = new FirefoxDriver();

} else {

System.out.println("browser " + browser + " is not found");

return null;

}

driver.manage().deleteAllCookies();

driver.manage().window().fullscreen();

return driver;

}

public void launchURL(String url) {

driver.get(url);

}

public String getPageTitle() {

return driver.getTitle();

}

public void closeBrowser() {

driver.quit();

}

public WebElement getElement(By locator) {

return driver.findElement(locator);

}

}

package SeleniumSessions;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

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

import io.github.bonigarcia.wdm.WebDriverManager;

public class DropDownHandle {

public static void main(String[] args) {

WebDriverManager.chromedriver().setup();

WebDriver driver = new ChromeDriver();// launch chrome

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

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

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

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

// Select select1 = new Select(day);

// select1.selectByIndex(7);

// select1.selectByVisibleText("20");

//

// Select select2 = new Select(month);

// select2.selectByVisibleText("Jun");

//

// Select select3 = new Select(year);

// select3.selectByVisibleText("1990");

// doSelectValueFromDropDownByValue(day, "20");

// doSelectValueFromDropDownByValue(month, "Jun");

// doSelectValueFromDropDownByValue(year, "1990");

doSelectValueFromDropDown(day, "5");

}

// public static void doSelectValueFromDropDownByValue(WebElement element,

// String value){

// Select select = new Select(element);

// select.selectByVisibleText(value);

// }

//

// public static void doSelectValueFromDropDownByIndex(WebElement element,

// int index){

// Select select = new Select(element);

// select.selectByIndex(index);

// }

public static void doSelectValueFromDropDown(WebElement element, String value) {

Select select = new Select(element);

select.selectByVisibleText(value);

}

public static void doSelectValueFromDropDown(WebElement element, int index) {

Select select = new Select(element);

select.selectByIndex(index);

}

package SeleniumSessions;

import java.util.List;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

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

import io.github.bonigarcia.wdm.WebDriverManager;

public class DropDownOptions {

public static void main(String[] args) {

WebDriverManager.chromedriver().setup();

WebDriver driver = new ChromeDriver();// launch chrome

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

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

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

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

selectValueFromDropDown(day, "20");

selectValueFromDropDown(month, "Nov");

selectValueFromDropDown(year, "2005");

System.out.println("-------------");

getAllValuesFromDropDown(month);

}

public static void selectValueFromDropDown(WebElement element, String value) {

Select select = new Select(element);

List<WebElement> optionsList = select.getOptions();

System.out.println(optionsList.size());

for (int i = 0; i < optionsList.size(); i++) {

String val = optionsList.get(i).getText();

System.out.println(val);

if (val.equals(value)) {

optionsList.get(i).click();

break;

}

}

}

public static void getAllValuesFromDropDown(WebElement element) {

Select select = new Select(element);

List<WebElement> optionsList = select.getOptions();

System.out.println(optionsList.size());

for (int i = 0; i < optionsList.size(); i++) {

String val = optionsList.get(i).getText();

System.out.println(val);

}

}

}

package SeleniumSessions;

import java.util.ArrayList;

import java.util.List;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import io.github.bonigarcia.wdm.WebDriverManager;

public class DropDownWithXpath {

public static void main(String[] args) {

WebDriverManager.chromedriver().setup();

WebDriver driver = new ChromeDriver();// launch chrome

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

By day = By.xpath("//select[@id='day']/option");

ArrayList<String> days = getDropDownValues(driver, day);

System.out.println(days);

}

public static ArrayList<String> getDropDownValues(WebDriver driver, By locator) {

ArrayList<String> ar = new ArrayList<String>();

List<WebElement> optionsList = driver.findElements(locator);

System.out.println(optionsList.size());

for (int i = 0; i < optionsList.size(); i++) {

String val = optionsList.get(i).getText();

ar.add(val);

}

return ar;

}

}

package SeleniumSessions;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.firefox.FirefoxDriver;

import org.openqa.selenium.firefox.FirefoxOptions;

import io.github.bonigarcia.wdm.WebDriverManager;

public class FireFoxLaunch {

public static void main(String[] args) {

WebDriverManager.firefoxdriver().setup();

FirefoxOptions fo = new FirefoxOptions();

fo.addArguments("--headless");

WebDriver driver = new FirefoxDriver(fo);//launch ff

driver.manage().window().fullscreen();

driver.manage().deleteAllCookies();

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

driver.get("http://www.google.com");//enter url

String title = driver.getTitle();//get the title

System.out.println("page title is: "+ title);

//verification point: checkpoint

if(title.equals("Google")){

System.out.println("title is correct");

}

else {

System.out.println("in correct title");

}

//url:

System.out.println(driver.getCurrentUrl());

//page source:

//System.out.println(driver.getPageSource());

//quit:

driver.quit();

}

}

package SeleniumSessions;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

import org.openqa.selenium.chrome.ChromeOptions;

import io.github.bonigarcia.wdm.WebDriverManager;

public class HeadLessChrome {

public static void main(String[] args) {

WebDriverManager.chromedriver().setup();

ChromeOptions co = new ChromeOptions();

co.addArguments("--headless");

WebDriver driver = new ChromeDriver(co);//launch chrome

driver.manage().window().fullscreen();

driver.manage().deleteAllCookies();

driver.get("http://www.google.com");//enter url

String title = driver.getTitle();//get the title

System.out.println("page title is: "+ title);

//verification point: checkpoint

if(title.equals("Google")){

System.out.println("title is correct");

}

else {

System.out.println("in correct title");

}

//url:

System.out.println(driver.getCurrentUrl());

}

}

package SeleniumSessions;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import io.github.bonigarcia.wdm.WebDriverManager;

public class LocatorsConcept {

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

WebDriverManager.chromedriver().setup();

WebDriver driver = new ChromeDriver();// launch chrome

driver.get("https://app.hubspot.com/login");

Thread.sleep(5000);

// 1. id: -- I

// WebElement emailid = driver.findElement(By.id("username"));

// emailid.sendKeys("test@gmail.com");

//

// WebElement pwd = driver.findElement(By.id("password"));

// pwd.sendKeys("test123");

//

// WebElement loginButton = driver.findElement(By.id("loginBtn"));

// loginButton.click();

//driver.findElement(By.id("username")).sendKeys("test@gmail.com");

//2. name: -- II

//driver.findElement(By.name("user")).sendKeys("test@gmail.com");

//3. xpath: --IIIa is just a locator to find the element in html DOM

//address of the web element in html DOM

//is not an html attribute

// driver.findElement(By.xpath("//\*[@id='username']")).sendKeys("test@gmail.com");

// driver.findElement(By.xpath("//\*[@id='password']")).sendKeys("test123");

// driver.findElement(By.xpath("//\*[@id='loginBtn']")).click();

//4. css selector: -- IIIb is also a locator to find the element in html DOM

// driver.findElement(By.cssSelector("#username")).sendKeys("test@gmail.com");

// driver.findElement(By.cssSelector("#password")).sendKeys("test123");

//5. class name: -- IV

// driver.findElement(By.className("login-email")).sendKeys("test@gmail.com");

// driver.findElement(By.className("m-bottom-3")).sendKeys("test123");

// form-control private-form\_\_control login-email

// form-control private-form\_\_control login-password m-bottom-3

//6. link text:only for links -- I

//driver.findElement(By.linkText("Sign up")).click();

//7. partial link text: for links -- II

driver.findElement(By.partialLinkText("Sign")).click();

//sign up

//sign in

}

}

package SeleniumSessions;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

import io.github.bonigarcia.wdm.WebDriverManager;

public class LoginPage {

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

CrossBrowser obj = new CrossBrowser();

WebDriver driver = obj.initDriver("chrome");

obj.launchURL("https://app.hubspot.com/login");

Thread.sleep(5000);

//page locators: Page Objects

By emailId = By.id("username");

By pwd = By.id("password");

By loginButton = By.id("loginBtn");

By signUpLink = By.linkText("Sign up");

obj.getElement(emailId).sendKeys("test@gmail.com");

obj.getElement(pwd).sendKeys("test@123");

obj.getElement(loginButton).click();

obj.getElement(signUpLink).click();

obj.closeBrowser();

}

}

package SeleniumSessions;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

import io.github.bonigarcia.wdm.WebDriverManager;

public class NavigationMethods {

public static void main(String[] args) {

WebDriverManager.chromedriver().setup();

WebDriver driver = new ChromeDriver();//launch chrome

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

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

driver.navigate().back();

driver.navigate().forward();

driver.navigate().back();

driver.navigate().refresh();

}

}

package SeleniumSessions;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

import io.github.bonigarcia.wdm.WebDriverManager;

public class SessionIDConcept {

public static void main(String[] args) {

WebDriverManager.chromedriver().setup();

WebDriver driver = new ChromeDriver();//launch chrome

driver.get("http://www.google.com");//enter url

String title = driver.getTitle();//get the title

System.out.println("page title is: "+ title);

driver.close();//close the browser

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

//using driver after quit:

//NoSuchSessionException: Session ID is null. Using WebDriver after calling quit()?

//using driver after close:

//NoSuchSessionException: invalid session id

}

}

package SeleniumSessions;

import java.util.List;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import io.github.bonigarcia.wdm.WebDriverManager;

public class TotalLinks {

public static void main(String[] args) {

//1. link count

//2. text of each link with index

//3. ignore the blank text

//4. capture href/url values for each link

WebDriverManager.chromedriver().setup();

WebDriver driver = new ChromeDriver();// launch chrome

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

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

int linksCount = linksList.size();

System.out.println("total links are: "+ linksCount);

for(int i=0; i<linksCount-1; i++){

String val = linksList.get(i).getText();

if(! val.isEmpty()){

System.out.println(i+"-->"+val);

System.out.println(linksList.get(i).getAttribute("href"));

}

}

}

}

package SeleniumSessions;

import java.util.List;

import org.openqa.selenium.By;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.WebElement;

import org.openqa.selenium.chrome.ChromeDriver;

import io.github.bonigarcia.wdm.WebDriverManager;

public class TotalTextFields {

public static void main(String[] args) {

WebDriverManager.chromedriver().setup();

WebDriver driver = new ChromeDriver();// launch chrome

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

List<WebElement> textLists = driver.findElements(By.xpath("//input[@type='text']"));

System.out.println(textLists.size());

}

}

package SeleniumSessions;

import org.openqa.selenium.WebDriver;

import org.openqa.selenium.chrome.ChromeDriver;

import io.github.bonigarcia.wdm.WebDriverManager;

public class WebDriverBasics {

public static void main(String[] args) {

// c:\\test\\downloads\\chromedriver.exe

//System.setProperty("webdriver.chrome.driver", "/Users/NaveenKhunteta/Downloads/chromedriver");

WebDriverManager.chromedriver().setup();

WebDriver driver = new ChromeDriver();//launch chrome

driver.manage().window().fullscreen();

driver.manage().deleteAllCookies();

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

driver.get("http://www.google.com");//enter url

//driver.navigate().to("http://www.google.com");//enter url

String title = driver.getTitle();//get the title

System.out.println("page title is: "+ title);

//verification point: checkpoint

if(title.equals("Google")){

System.out.println("title is correct");

}

else {

System.out.println("in correct title");

}

//url:

System.out.println(driver.getCurrentUrl());

//page source:

//System.out.println(driver.getPageSource());

//quit:

//driver.quit();

}

}