**Milestone Assessment3**

**package** com.mindtree.demo;

**import** java.time.Duration;

**import** java.util.Iterator;

**import** java.util.List;

**import** java.util.Set;

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

**import** org.openqa.selenium.Keys;

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

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

**import** org.openqa.selenium.WindowType;

**import** org.openqa.selenium.chrome.ChromeDriver;

**import** org.openqa.selenium.chrome.ChromeOptions;

**import** org.openqa.selenium.interactions.Actions;

**public** **class** Milestoneassement3 {

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

System.*setProperty*("webdriver.chrome.driver", "C:\\Users\\shiva\\Documents\\chromedriver.exe");

ChromeOptions options = **new** ChromeOptions();

options.addArguments("start-maximized");

options.addArguments("disable-popup-blocking");

options.addArguments("--disable-notifications");

WebDriver driver = **new** ChromeDriver(options);

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

driver.get("http://the-internet.herokuapp.com/");

//1st hovers

String hov = driver.findElement(By.*partialLinkText*("Hovers")).getAttribute("href");

driver.switchTo().newWindow(WindowType.***TAB***);

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

driver.get(hov);

Set<String> id = driver.getWindowHandles();

Iterator<String> s = id.iterator();

String parent = s.next();

String child = s.next();

driver.switchTo().window(child);

WebElement hAndL = driver.findElement(By.*xpath*("//div[@id='content']/div/div[1]"));

Actions a = **new** Actions(driver);

a.moveToElement(hAndL).build().perform();

String name=driver.findElement(By.*xpath*("//div[@id='content']/div/div[1]/div/h5")).getText();

System.***out***.println(name);

driver.switchTo().window(parent);

//2nd checkboxes

String box = driver.findElement(By.*partialLinkText*("Checkboxes")).getAttribute("href");

driver.switchTo().newWindow(WindowType.***TAB***);

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

driver.get(box);

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

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

**if**(checkbox.get(i).isSelected()) {

checkbox.get(i).click();

}

}

driver.manage().timeouts().implicitlyWait(Duration.*ofSeconds*(2));

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

checkbox.get(i).click();

}

driver.switchTo().window(parent);

//3 input

String inputx = driver.findElement(By.*partialLinkText*("Inputs")).getAttribute("href");

driver.switchTo().newWindow(WindowType.***TAB***);

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

driver.get(inputx);

driver.findElement(By.*xpath*("//input[@type='number']")).sendKeys(String.*valueOf*(4444));

driver.switchTo().window(parent);

//4th dropdown

String dropdowns = driver.findElement(By.*partialLinkText*("Dropdown")).getAttribute("href");

driver.switchTo().newWindow(WindowType.***TAB***);

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

driver.get(dropdowns);

driver.findElement(By.*id*("dropdown")).click();

driver.findElement(By.*xpath*("//option[@value='2']")).click();

driver.switchTo().window(parent);

//5th fileupload

String fileup = driver.findElement(By.*partialLinkText*("File Upload")).getAttribute("href");

driver.switchTo().newWindow(WindowType.***TAB***);

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

driver.get(fileup);

WebElement uploadElement = driver.findElement(By.*id*("file-upload"));

uploadElement.sendKeys("C:\\Users\\shiva\\Desktop\\milestone.txt");

driver.findElement(By.*id*("file-submit")).click();

driver.switchTo().window(parent);

//6th sortable data tables

String table = driver.findElement(By.*partialLinkText*("Sortable Data Tables")).getAttribute("href");

driver.switchTo().newWindow(WindowType.***TAB***);

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

driver.get(table);

List<WebElement> table1row=driver.findElements(By.*xpath*("//table[@id='table1'] /tbody /tr"));

String FirstName="Tim";

**for**(**int** i=0;i<table1row.size();i++) {

List<WebElement> tabledata=table1row.get(i).findElements(By.*tagName*("td"));

**for**(**int** j=0;j<tabledata.size();j++) {

**if**(tabledata.get(j).getText().contentEquals(FirstName) ) {

System.***out***.println("Email: "+tabledata.get(2).getText());

System.***out***.println("Website: "+tabledata.get(4).getText());

**break**;

}

}

}

driver.switchTo().window(parent);

//7th KeyPress

String key = driver.findElement(By.*partialLinkText*("Key Presses")).getAttribute("href");

driver.switchTo().newWindow(WindowType.***TAB***);

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

driver.get(key);

driver.findElement(By.*id*("target")).sendKeys(Keys.***ESCAPE***);

System.***out***.println(driver.findElement(By.*id*("result")).getText());

driver.switchTo().window(parent);

//8th mutliple windows

String windows = driver.findElement(By.*partialLinkText*("Multiple Windows")).getAttribute("href");

driver.switchTo().newWindow(WindowType.***TAB***);

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

driver.get(windows);

driver.findElement(By.*partialLinkText*("Click Here")).click();

System.***out***.println(driver.findElement(By.*tagName*("h3")).getText());

driver.switchTo().window(parent);

//9th Context Menu

String menu = driver.findElement(By.*partialLinkText*("Context Menu")).getAttribute("href");

driver.switchTo().newWindow(WindowType.***TAB***);

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

driver.get(menu);

Actions actions = **new** Actions(driver);

WebElement elementLocator = driver.findElement(By.*id*("hot-spot"));

actions.contextClick(elementLocator).perform();

driver.switchTo().alert().accept();

driver.switchTo().window(parent);

}

}

**Output**:

name: user1

Email: tconway@earthlink.net

Website: http://www.timconway.com

You entered: ESCAPE

new window

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**git repository:**

**https://github.com/Shivaprasad4/milestone-assessment-3.git**