25-FEB-2020

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Ex-37 Write program to right click on button and to select "Paste" option

Url:"https://swisnl.github.io/jQuery-contextMenu/demo.html

//to Initialize browser

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

WebDriver driver=new ChromeDriver();

driver.get("https://swisnl.github.io/jQuery-contextMenu/demo.html");

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

//create reference object for webelement

WebElement ele=driver.findElement(By.xpath("//span[text()='right click me']"));

Actions act= new Actions();

//to perform right click on webelement

act.moveToElement(ele).contextClick().build().perform();

Thread.sleep(3000);

//to select Paste option

driver.findElement(By.xpath("//span[text()='Paste']")).click();

Thread.sleep(3000);

//to read msg from java Alert

String eMsg=driver.switchTo().alert().getText();

System.out.println(eMsg);

//to close popup

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

=============================================================================================================================================

Ex-38

Write script to enter "selenium" in upper case at search edit box

//to Initialize browser

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

WebDriver driver=new ChromeDriver();

driver.get("http://google.co.in");

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

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

//create reference object for search editbox

WebElement txtSearch=driver.findElement(By.name("q"));

Actions act= new Actions(driver);

//to enter "selenium"

act.moveToElement(txtSearch).click().keyDown(Keys.SHIFT).sendKeys("selenium").keyUp(Keys.SHIFT).build().perform();

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Ex-39

Write script to select "Jackets" option under "Men" menu at Flipkart application

//to Initialize browser

System.setProperty("webdriver.gecko.driver", "./Drivers\\geckodriver.exe");

WebDriver driver=new FirefoxDriver();

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

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

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

//to close popup

driver.findElement(By.xpath("//button[@class='\_2AkmmA \_29YdH8']")).click();

//create reference object for "Men" menu

WebElement menuMen=driver.findElement(By.xpath("//span[text()='Men']"));

Actions act= new Actions(driver);

act.moveToElement(menuMen).build().perform();

Thread.sleep(4000);

//to click on "Jackets"

driver.findElement(By.linkText("Jackets")).click();

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WORKING ON DRAG AND DROP

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To perform drag and drop operation also we can use "Action" class

Syntax:

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Actions act= new Actions(driver);

act.dragAndDrop(ele1, ele2).build().perform();

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Ex-40

Write script to perform drag and drop operation in

"http://jqueryui.com/droppable/"

//to Initialize browser

System.setProperty("webdriver.gecko.driver", "./Drivers\\geckodriver.exe");

WebDriver driver=new FirefoxDriver();

driver.get("http://jqueryui.com/droppable/");

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

driver.switchTo().frame(0);

WebElement ele1=driver.findElement(By.id("draggable"));

WebElement ele2=driver.findElement(By.id("droppable"));

Actions act= new Actions(driver);

act.dragAndDrop(ele1, ele2).build().perform();

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Ex-41

To Read ToolTip

//to Initialize browser

System.setProperty("webdriver.gecko.driver", "./Drivers\\geckodriver.exe");

WebDriver driver=new FirefoxDriver();

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

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

String toolTip=driver.findElement(By.linkText("Business Email")).getAttribute("title");

System.out.println(toolTip);

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Ex-42

Write program to read system date and convert that

Date dt= new Date();

System.out.println(dt);

DateFormat df= new SimpleDateFormat("YYYY\_MM\_dd\_hh\_mm\_ss");

System.out.println(df.format(dt));

==============================================================================================================================================

\*\*\*CAPTURE SCREENSHOT\*\*\*

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Using "TakesScreenshot" Interface Class we can capture Screenshot

Note:

"FileUtils.copyfile();" used in older version of WebDriver but it is update to

"FileHandler.copy();" which is available in org.openqa.selenium package

Ex-43

Write script to capture screenshot of www.facebook.com home page and save file with date

file with date stamp in project working directory

Script:

//to Initialize browser

System.setProperty("webdriver.gecko.driver", "./Drivers\\geckodriver.exe");

WebDriver driver=new FirefoxDriver();

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

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

//to capture screenshot of page and to return into file format

File fo=((TakesScreenshot)driver).getScreenshotAs(OutputType.FILE);

//to capture system date

Date dt= new Date();

System.out.println(dt);

//converting date into required format

DateFormat df= new SimpleDateFormat("YYYY\_MM\_dd\_hh\_mm\_ss");

System.out.println(df.format(dt));

//to save in specified location

FileHandler.copy(fo, new File("D:\\7amdec19"+df.format(dt)+".png"));

//to save file in "Defects" folder at Project directory

FileHandler.copy(fo, new File("./Defects//7amdec19"+df.format(dt)+".png"));

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\*\*\*JAVASCRIPT EXECUTOR\*\*\*

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Javascript Executor is an Interface class which is provided in WebDriver library like WebDriver,Actions,Select,Takesscreenshot.....etc

Using this class we can able to click on webelement,enter data, highlight a specific webelement,scrollbar operations......etc

In general Javascript Executor is preferred where WebDriver unable to identify Webelements using locator values in a page

To use Javascript Executor we need to do type-casting for driver object.

Syntax:

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{Type casting to driver object}

Javascript Executor Obj = ((Javascript Executor)driver);

Javascript Executor providing "executeScript" method to perform operations

Syntax:

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Obj.executeScript(command,args);

=============================================================END OF CLASS ===========================================================================================