

### Assignment :-

- 1) Write a x-path expression to identify the cost of andaman from make my trip holiday section.
- 2) Write a x-path expression to get yatra journey cost from yatra.com (Perfect holiday section) yatra journeys.
- 3) Write a script to get the last price of SBI from below mentioned URL  
<https://in.investing.com/charts/stocks-charts>

12/01/2019

### PERFORMING MOUSE OPERATIONS

In order to perform mouse related operations such as

- i) Moving a mouse pointer on the element so that its option gets displayed.
- ii) Right click on element. Open it in a new window or tab.

Drag &

Double click on the element.

Going upwards & downwards on a page etc.

To perform all these above operations, we use actions class of selenium. To use this class, we need to follow below mentioned steps.

Step 1:

Create an instance of actions class by passing webdriver instance as an argument to its constructor.

Actions action = new Actions(driver);

Step 2:

Identify the required element on which mouse

related operations need to perform.

Step 3:

call the appropriate method of actions class with the help of actions class reference & pass the above element as an argument for the result.

For e.g. If you want to focus on the element then we will use below mentioned statement method.

- 1) actions.moveToElement(<sup>WebElement</sup>target)
- 2) actions.moveToElement(WebElement target, int xoffset, int yoffset)

To perform drag & drop operation, we can use following method of actions class.

- 1) actions.dragAndDrop(WebElement source, WebElement target)
- 2) actions.dragAndDrop(WebElement source, int xoffset, int yoffset)

In order to right click on element, we can use following method of actions class

- 1) contextClick()
- 2) contextClick(WebElement target)

In order to double click on the element, we can use doubleClick method of actions class  
doubleClick()

Note:

Whenever you are performing more than one action on the element, you have to use build method of actions class.

Q Write a script to print main menus & sub menu of crickinfo application.

→

```
public class MouseOperations {
```

```
    p.s.v.m (String args)
```

```
{
```

```
    /* set the path for chromedriver executable */
    System.setProperty("webdriver.chrome.driver",
        "path \\ chromedriver.exe");
```

```
    /* creating instance of chromedriver class */
    WebDriver driver = new ChromeDriver();
```



/\* Maximise the driver window \*/

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

/\* Implicit wait \*/

```
driver.manage().timeouts().implicitlyWait(
    20, TimeUnit.SECONDS);
```

/\* Step 2 \*/

```
driver.get("https://www.espn.cricinfo.com/");
```

/\* Create an instance of actions class by passing driver instance to its constructor \*/

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

/\* Get all the main menu as a list <WebElement> \*/

```
List<WebElement> mainMenus = driver.findElements
(By.cssSelector("ul.espn.cricinfo-en-in>li:non
>span>span:first-child"));
```

```
for (int i=0; i<mainMenus.size(); i++)
```

```
{
```

```
s.op("***" + mainMenus.get(i).getText() + "***");
```

```
actions.moveToElement(mainMenus.get(i)).
    perform();
```

```
try {
```

```
thread.sleep(500);
```

```
}
```

```
catch (InterruptedException e)
```

```
{
```

```
e.printStackTrace();
```

```
}
```

/\* Get the list of submenus based on main menus \*/

```
List<WebElement> subMenus = driver.findElements
(By.cssSelector("ul.espn.cricinfo-en-in>li:non
nth-child(" + (i+1) + ">div>ul>li span.link-Text");
```

```
for (int j=0; j<subMenus.size(); j++)
```

```
{
```

```
s.op(subMenus.get(j).getAttribute("innerHTML"));
```

```
}
```

```
}
```

Assignment →

Demo.vtiger app<sup>n</sup> drag & drop.

Flipkart menus