**Actions:**

**It is a class**

**It Performs the mouse and keyboard actions.**

There are complex interactions like ***Drag-n-Drop*** and ***Double-click***which cannot be done by simple ***WebElement*** commands. To handle those types of advance actions we have the ***Actions*** class in Selenium.

**Syntax:**

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

**Methods in Actions class of Selenium**

There are a lot of methods in this class which can be categorized into two main categories:

* ***Keyboard Events***
* ***Mouse Events***

**Mouse based actions:**

**click[WebElement] 🡪**Clicks at the current mouse location.

**contextClick [WebElement] 🡪**Performs a right-click at the current mouse location.

**doubleClick [WebElement] 🡪**Performs a double-click at the current mouse location.

**moveToElement[WebElement] 🡪**Moves the mouse to the middle of the element

**dragAndDrop[WebElement Source , WebElement Target] 🡪**Click-and-hold at the location of the source element, moves to the location of the target element

***clickandHold() 🡪***

***sentkeys() 🡪***

**For mouse based actions methods :**

**We must give build() and perform().**

**build() ---> all the actions gathered which are ready to be performed.**

**perform() ----> perform a sequence of actions.**

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**Keyboard based action :**

**Robot class:**

It can be used to trigger the input events like mouse move, mouse click, keypress,

**KeyPress**

**KeyRelease**

**KeyEvent -> is a class and it performs the keyboard function.**

**VK : Virtual Key**

**Syntax :**

**Robot r = new Robot()**

**r.keyPress(KeyEvent.anyfunction)**

**r.keyRelease(KeyEvent.anyFunction)**