

WebDriver API: Actions

Agenda



- Actions overview
- Mouse actions
- File operations

After today's session you should be able to:



- Do advanced mouse operations
- Do advanced Keyboard operations
- Chain several actions
- Upload file using Selenium

Actions



The user-facing API for emulating complex user gestures.

Class that provides ways to handle advanced mouse and keyboard events .

Mouse events:



- Double click
- Hover
- Drag and drop
- Context click
- Move

Keyboard events:



- sendKeys
- keyUp
- keyDown
- Scroll up / down

Syntax



1. Create Actions object using WebDriver:

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

2. Call methods provided in the Actions class:

```
actions.doubleClick()
```

3. Perform the action:

```
actions.doubleClick().perform()
```

Chaining actions



1. Call multiple methods at the same time

```
actions.moveToElement(element).doubleClick()
```

2. Chain them into one using build method

```
actions.moveToElement(element).  
    doubleClick().build()
```

3. Perform the chained actions using perform

```
actions.moveToElement(element).  
    doubleClick().build().  
    perform();
```