

Selenium Methods

Interfaces

- WebDriver
- Alert

Inner Interfaces

- Action
- Navigation
- Options
- TargetLocator
- TimeOuts
- Window

Inner Abstract Classes

- By
- Point

Classes

- FirefoxDriver
- ChromeDriver
- EdgeDriver
- Select
- Actions
- Cookie

Enumerations

- Keys

WebDriver Interface Methods

WebDriver driver=new ChromeDriver();

driver.get()

driver.getTitle()

driver.getCurrentUrl()

driver.getPageSource()

driver.findElement()

driver.findElements()

- driver.findElements().size()

driver.getWindowHandle()

driver.getWindowHandles()

driver.manage() -> return Options interface

- driver.manage().window() -> returns Window interface
 - driver.manage().window().maximize()
 - driver.manage().window().minimize()
 - driver.manage().window().setSize(new Dimension(width, height))
- driver.manage().timeouts().implicitlyWait(10, TimeUnit.SECONDS)
- driver.manage().getCookies()
- driver.manage().addCookie()
- driver.manage().deleteCookie()
- driver.manage().deleteCookieNamed()
- driver.manage().deleteAllCookies()

driver.switchTo() -> returns TargetLocator interface

- driver.switchTo().parentFrame()
- driver.switchTo().defaultContent()
- driver.switchTo().frame()
 - driver.switchTo().frame(index)
 - driver.switchTo().frame(name/id)
 - driver.switchTo().frame(WebElement element)
- driver.switchTo().window()
- driver.switchTo()
 - driver.switchTo().newWindow(WindowType.TAB)
 - driver.switchTo().newWindow(WindowType.WINDOW)
- driver.switchTo().alert() -> returns Alert interface
 - driver.switchTo().alert().accept()
 - driver.switchTo().alert().dismiss()

driver.navigate() -> returns Navigation interface

- driver.navigate().to()
- driver.navigate().forward()
- driver.navigate().back()
- driver.navigate().refresh()

driver.close()

driver.quit()

By Abstract Class Methods

By.name()

By.id()

By.className()

By.cssSelector()

By.linktext()

By.partialLinktext()

By.xpath()

By.tagName()

WebElement Class Methods

WebElement element=driver.findElement();

element.isDisplayed()

element.isSelected()

element.isEnabled()

element.clear()

element.sendKeys()

element.click()

element.getText()

element.getAttribute(String attrName)

element.getLocation()

- element.getLocation().getX()
- element.getLocation().getY()

element.getSize()

- element.getSize().getWidth()
- element.getSize().getHeight()

Select Class Methods

Select dropdown=new Select(WebElement element);

dropdown.selectByVisibleText()

dropdown.selectByIndex()

dropdown.selectByValue()

dropdown.getOptions()

Actions Class Methods

Actions actions=new Actions(driver);

actions.contextClick(element).perform()

actions.doubleClick(element).perform()

actions.dragAndDrop(source, target).perform()

```
actions.moveToElement(element).click().perform()
actions.dragAndDropby(element, 100, 0).perform()
actions.sendKeys(Keys.SPACE)
actions.keyDown(Keys.CONTROL)
actions.keyUp(Keys.CONTROL)
```

Cookie Class Methods

```
Cookie cookie=new Cookie("MyCookie","123");
cookie.getName()
cookie.getValue()
cookie.getDomain()
cookie.getExpiry()
```

Alert Interface

```
Alert alert=driver.switchTo().alert();
alert.accept()
alert.dismiss()
alert.sendKeys()
alert.getText()
```

Keys Enumeration Methods

```
Keys.chord(Keys.CONTROL, Keys.RETURN)
```