Operations on Elements

Ram Sharma

Various Elements

- TextBox or TextArea
- Radio Buttons
- Check Boxes
- **Dropdown or Select Box or List Box**
- Buttons
- Hyperlinks
- Browse or Date picker

Common Operations

- WebElement   findElement(By by)
- List<WebElement>   findElements(By by)
- Point getLocation()
- String getTagName()
- boolean isDisplayed()
- boolean isEnabled()
- String getAttribute("<Attribute_name>")

TextBox or TextArea

- void sendKeys(CharSequence...   keysToSend)
- void clear()
- String   getAttribute("value")

Radio Buttons

- Radio buttons of same category have same name and only one of them can be selected.
- It is a input tag with type as *radio*.
- void click()
- boolean isSelected()

Check Boxes

- It is a input tag with type as *checkbox*.
- void click()
- boolean isSelected()

Dropdown or Select Box

- It is *select* tag which contains *option* as child tags. Displayed texts are with option tag.
- Select class object are created to handle it.
- void deselectAll()
- void deselectByIndex(int index)
- void deselectByValue(String value)
- void deselectByVisibleText(String text)
- void selectByIndex(int index)
- void selectByValue(String value)
- void selectByVisibleText(String text)
- List<WebElement>   getOptions()
- List<WebElement>   getAllSelectedOptions()
- WebElement   getFirstSelectedOption()
- boolean   isMultiple()

Buttons

- It is a input tag with type as *button*.
- void click()

Hyperlinks

- It is any text or image contained inside an anchor tag or *a* tag. An link is associated with it and contain as *href* attribute.

- void click()

Browse or Date picker

- These can exist in multiple ways.
- We need to write our own logic to handle.
- For the simplest form, we can use below:
- void sendKeys(CharSequence… keysToSend)