SeleniumHelper

**PAGE VARIABLE**

**OBJECT SOURCE**

Get source from Object Source

**SELENIUM HELPER LOG**

To Get Selenium Helper Log

**ALL DATE AND TIME FUNCTIONS**

1. Returns Today in MM-dd-yyy format
2. Returns Today in MM-dd-yyy format
3. Returns Today in MM/dd/yyy format
4. Returns Today in custom format
5. Returns Date in custom format
6. Returns Today in MM/dd/yyyy format
7. Returns future Today with given time
8. Returns Today in MM/dd/yyyy format
9. Returns future Today with given time
10. Returns Today and time in MM-dd-yyyy HH:mm:ss format
11. Returns Today and time in MM-dd-yyy HH:mm:ss format
12. Returns current Today and time for a given country & City ex. "America/New\_York"
13. Returns current Today and time for a given country & City ex. "America/New\_York"

**FILE FUNCTIONS**

* 1. Read Config file from given file name
  2. Read Config file from Config.properties
  3. Will clear out directory for given location
  4. Will clear out screen shot directory if the flag is placed yes
  5. Will clear out reports directory if the flag is placed yes
  6. Will clear out download directory if the flag is placed yes
  7. Read Excel File & Get Workbook
  8. Get sheet
  9. Close Excel workbook
  10. Get total number of rows from Excel sheet
  11. Get total number of cells from Excel sheet
  12. Get Data from Excel File
  13. Used to upload file
  14. Will verify headers in excel with given header String
  15. Will verify list of data in excel with given list of String

**GENERATE RANDOM FUNCTIONS**

* 1. Will generate a random alpha with given max char
  2. Will generate a random alphanumeric with given max char
  3. Will return Random String Utils object for customized random function
  4. Will generate a random number between given 1000000 to 10000000
  5. Generate random number with given min and max
  6. Generate random social
  7. Generate random number with given digits
  8. Generate random identifier

**WAIT FUNCTIONS**

* 1. Hard sleep with 1000 in SleepSec
  2. Hard sleep with 100 in SleepSec
  3. Wait function to wait until page or dom loads
  4. Wait function to wait until page or dom loads
  5. Wait function to wait until all AJAX calls are completed
  6. Includes wait for load & page ajax
  7. Includes wait for load & page ajax

**PAGE MANAGE AND BROWSER FUNCTIONS**

* 1. Clear All Cookies
  2. Get URL of current page
  3. Get title of current page
  4. Close current Browser - Does not close driver instance
  5. Close driver instance and all Browser associted
  6. Go to Url with given destination

**NAVIGATE FUNCTIONS**

* 1. Navigate to Url with given destination
  2. Navigate to previous page
  3. Navigate forward
  4. Refresh current Browser

**SWITCH FUNCTIONS**

* 1. Switch to second window
  2. Switch to IFrame using webElement
  3. Switch to IFrame using String
  4. Switch to IFrame using index
  5. Switch to parent frame
  6. Get handle ID of current window
  7. Get handle ID of all windows

**SCREENSHOT FUNCTION**

1. Take Screen Shot

**SCROLL FUNCTIONS**

* 1. Scrolls to a specific web element
  2. Scrolls to the bottom of the page
  3. Scrolls to a specific point of the page ex.(0, 500)

**HARD ASSERT**

* 1. Hard Assert: Will fail test case with "Unable to Complete all steps message"
  2. Hard Assert: Will fail test case with "Unable to Complete all steps message"
  3. Hard Assert: Will fail test case with given message

**JAVA SCRIPT**

* 1. Will execute Javascript
  2. Will execute Javascript and return object

**KEY BOARD FUNCTIONS**

* 1. CTRL + A
  2. Tabs once
  3. Tabs based on given count
  4. Will be able to perform keyboard functions up to 5
  5. Will be able to Press 2 keys
  6. Will be able to Press 3 keys
  7. Will be able to Press 4 keys
  8. Will be able to Press 5 keys
  9. Used to Toggle caps log

**END CURRENT USER SESSION**

* 1. Will end current User session with default idle time of 11 SleepSec
  2. Will end current User session with given idle time

**CONTINUE IF ERROR FUNCTION**

* 1. Used to continue test even if error occur
  2. Used to continue test even if error occur for web element

**PRINT RESULT IF FAILED FUNCTION**

* 1. Used to Print result if failed for String
  2. Used to Print result if failed for Boolean

**GET FIRST SELECTED VALUE**

1. Used to Get the first selected value

**RETURN SINGLE ELEMENT**

1. Returns a single element using any locator

**BLANK SPACE FUNCTION**

1. Used for value of blank space

**CHECK WEB ELEMENT EXIST FUNCTION**

* 1. Will wait for element to be present for given time checking every 5 SleepSec - Fluent Wait (By locator)
  2. Will wait for element to be present for given time checking with various time parameters - Fluent Wait (By locator)
  3. Will wait for element to be present for given time checking every 5 SleepSec - Fluent Wait (Web Element)
  4. Will wait for element to be present for 15 checking every 5 SleepSec - Fluent Wait
  5. Will wait for element to be present - Explicit Wait
  6. Will wait for element to be present - Explicit Wait
  7. Will wait for element to be present - Explicit Wait - Will return true or false only
  8. Will wait for element to be present - Explicit Wait - Will throw exception only
  9. Will wait for element to be present - Explicit Wait
  10. Will wait for element to be present - Explicit Wait
  11. Will wait for element to be present - Explicit Wait

**WAIT FOR WEBELEMENT FUNCTIONS**

* 1. Explicit wait for given WebElement to be clickable for given time
  2. Explicit wait for given WebElement to be visible for given time
  3. Explicit wait for given WebElement to be visible or clickable for given time
  4. Explicit wait for given WebElement to be clickable for 2 SleepSec
  5. Explicit wait for given WebElement to be visible 2 SleepSec
  6. Explicit wait for given WebElement to be visible or clickable for 2 SleepSec

**GET WEBELEMENT FUNCTIONS**

* 1. Returns a list of elements using any locator
  2. Returns a list of elements using xpath
  3. Find an web element with 3 attempts and page load included
  4. Find an web element with 3 attempts and page load included

**GET TEXT FUNCTIONS**

* 1. Get Texts from multiple WebElements and returns list of String
  2. Get Texts from multiple WebElements and returns list of String

**GET ATTRIBUTE FUNCTIONS**

* 1. Will get value of the attribute of the given WebElement
  2. Read an element
  3. Read an element

**SEND KEYS FUNCTIONS**

* 1. Send keys
  2. Send keys with tab - boolean must = true
  3. Send keys
  4. Send keys with tab - boolean must = true
  5. Send keys
  6. Send keys with tab - boolean must = true
  7. Set Text

**CLICK FUNCTION**

* 1. Click an element
  2. Click an element
  3. Click an Active element

**DROP DOWN FUNCTIONS**

* 1. Will click and verify all values from given drop down WebElement
  2. Will click and verify all values from given drop down WebElement optionally ignoring select and regardless of order
  3. Will verify all values from given drop down WebElement
  4. Will verify all values from given drop down is in alphabetical order
  5. Will verify all values from given drop down is in alphabetical order
  6. Will verify given values in drop down WebElement
  7. Will verify given values in drop down do not exist
  8. Will return select object
  9. Will select element with given string value
  10. Will select element with given index position
  11. Will select element with given string value
  12. Will select element with given index position
  13. Return size of select list

**ACTIONS FUNCTIONS**

* 1. Will return action function
  2. Used for Move to element

**HIGHLIGHT AND UNHIGHLIGHT ELEMENTS**

* 1. Highlight element with given WebElement: Yellow background and Blue border
  2. Highlight element with given WebElement: Yellow background and Blue border
  3. Highlight checks if select option value is disabled
  4. Highlight checks if select option value is disabled
  5. No highlight checks if select option value is disabled
  6. No highlight checks if select option value is enabled

**VERIFY ALL TEXTS FUNCTION**

* 1. Will verify list of data contains given value (Value is case sensitive)
  2. Will verify list of data contains given value (Value is case sensitive)
  3. Will verify list of data contains given value (Value is case sensitive)

**SORT FUNCTION**

* 1. Will sort list of data
  2. Will sort list of data desc
  3. Will sort list of data
  4. Will sort list of date Desc
  5. Will get text for list of string elements and return sorted list
  6. Will get text for list of string elements and return sorted list in descending order
  7. Will get text for list of string elements and return sorted list
  8. Will get text for list of Today elements and return sorted list from most recent
  9. Will get text for list of Today elements and return sorted list from most recent

**CLEAR ELEMENT FUNCTIONS**

* 1. Clear element
  2. Clear element
  3. Clear text and enter new text

**READ ELEMENT FUNCTIONS**

* 1. Read an element
  2. Read an element
  3. Read an Active element

**BOOLEAN FUNCTIONS**

* 1. Will check if Actual contains Expected and return true or false
  2. Will check if Actual contains Expected and return true or false
  3. Will check if all required fields are filled
  4. checks if web element has hidden attribute
  5. Confirms Alpha sort of web elements text values
  6. Used to check by similar text
  7. Checks if Environment is Dev

**MULTIPLE SELECT OPTION FUNCTIONS**

* 1. Used to select Multiple select options for String
  2. Used to select Multiple select options for integer