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How to scroll web page UP or Down using Selenium WebDriver?

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If you want to scroll the page UP or DOWN with Selenium WebDriver in order to find web elements or make assertions, here are a few way you can do that.

How to scroll Page Down using Selenium WebDriver:

JavaScript **scrollBy()** method scrolls the document by the specified number of pixels. Update the second parameter of the **scrollBy()** method with the number of pixels in order scroll more or less.

The definition of the JavaScript method scrollBy() is:

```
window.scrollBy(xpixels,ypixels)
```

where:

- **xpixels** is a *Number* and *Required* parameter:
 - How many pixels to scroll by, along the x-axis (horizontal).
 - Positive values will scroll to the left, while negative values will scroll to the right
- **ypixels** is a *Number* and *Required* parameter:
 - How many pixels to scroll by, along the y-axis (vertical).
 - Positive values will scroll down, while negative values scroll up

In the examples we are using 250 pixels for vertical scrolling in order to show how scroll method works.

```

1  @Test(groups = {"smoke"})
2  public void test_Scroll_Page_Down() throws Exception {
3      init();
4
5      driver.navigate().to("http://www.alexa.com/topsites/countries;15/LU (http://www
6
7      JavascriptExecutor jse = (JavascriptExecutor) driver;
8      jse.executeScript("window.scrollTo(0,250)", "");
9  }

```

How to scroll Page UP using Selenium WebDriver:

Similar to scrolling Down the web page, but we set a negative number of pixels as the second parameter of the JS **scrollBy()** method to a negative number: **-250**

```

1  @Test(groups = {"smoke"})
2  public void test_Scroll_Page_UP() throws Exception {
3      init();
4
5      driver.navigate().to("http://www.alexa.com/topsites/countries;15/LU (http://www
6
7      JavascriptExecutor jse = (JavascriptExecutor) driver;
8      jse.executeScript("window.scrollTo(0,-250)", "");
9  }

```

How to scroll to the Bottom of the Web Page using Selenium WebDriver:

Basically, we get the height of the Body element from the DOM (Document Object Model) and we use the JavaScript method `scrollTo()` to scroll to the maximum height of the page:

```

1  @Test(groups = {"smoke"})
2  public void test_Scroll_Page_To_Bottom() throws Exception {
3      init();
4
5      driver.navigate().to("http://www.alexa.com/topsites/countries;15/LU (http://www
6
7      JavascriptExecutor jse = (JavascriptExecutor) driver;
8      jse.executeScript("window.scrollTo(0, document.body.scrollHeight)");
9  }

```

How to scroll Page to a Web Element Selenium WebDriver:

Just identify the Web Element from the webpage and use the JS method `scrollIntoView()` to scroll the page to that web element until it becomes visible

```

1  @Test(groups = {"smoke"})
2  public void test_Scroll_Page_To_Element() throws Exception {
3      init();
4
5      driver.navigate().to("http://www.alexa.com/topsites/countries;15/LU (http://w
6
7      JavascriptExecutor jse = (JavascriptExecutor) driver;
8
9      WebElement element = driver.findElement(By.linkText("Google.com.ph"));
10     jse.executeScript("arguments[0].scrollIntoView();", element);
11 }

```

How to scroll Page Down or UP using Keys Selenium WebDriver:

If you want to use the keys from the keyboard to **scroll UP or DOWN** you can use the WebDriver `sendKeys()` method and pass the **PAGE_UP** or **PAGE_DOWN** as an argument:

```

1  @Test(groups = {"smoke"})
2  public void test_Scroll_Page_Using_Keys() throws Exception {
3      init();
4
5      driver.navigate().to("http://www.alexa.com/topsites/countries;15/LU (http://w
6
7      Actions action = new Actions(driver);
8      action.sendKeys(Keys.PAGE_DOWN);
9      waitSeconds(2);
10     action.click(driver.findElement(By.partialLinkText("Google.com.ph"))).perform(
11 }

```

Hope you'll find this useful. Check also how to find web elements using Selenium WebDriver (<https://loadfocus.com/blog/2013/09/05/how-to-locate-web-elements-with-selenium-webdriver/>).

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