

Selenium Navigation Methods

Introduction

Hello Everybody, Welcome To Selenium 4 Beginners. My name is Rex Allen Jones II.

In this video, I will cover the Navigation Methods for Selenium. The Browser Methods and WebElement Methods were covered in a video called Selenium Browser Methods and Selenium WebElement Methods.

The Selenium Navigation Methods are a group of methods that either loads a web page, refresh a web page, or move backwards and forwards in your browser's history.

In this tutorial, we are going to cover Navigation Method Descriptions, perform a walkthrough of each Navigation Method using LinkedIn, then demo the Navigation Methods.

First are the Navigation Method Descriptions.

Selenium provides 4 Navigation Methods. I have 5 methods listed in this slide but we have an overload method that performs the same task. In alphabetical order, we have the back method, forward method, refresh method, and a couple of navigate.to methods.

The back method moves back in your browser's history. Forward moves forward in your browser's history if it's not the last page. The refresh method reloads all WebElements on your page. There are 2 navigate.to methods which load a new web page.

The 2nd navigate.to method is the overload method. An overload method is a method with the same name in the same class but a different signature. Both methods receive a url parameter but a different Data Type. The Data Type makes these methods have a different signature. First method has a String Data Type while the second method is overloaded and has a URL Data Type.

Now, let's walkthrough our Navigation Methods using LinkedIn.

First, we load LinkedIn.com. Next click the Forgot password hyperlink then enter an email or phone. I'll enter my email: RexAllenJones@Hotmail.com. After entering email, let's refresh the page. We see the text field WebElement no longer shows email. Now, let's go back to the previous page. Selenium automates clicking the back button and forward will take us to the page we just saw. That's all of the Navigation Methods.

It's time for the demo of Navigation Methods

Demo

WebDriver driver; @BeforeTest Annotation. Let's setup our test: public void setup (). In the previous 2 videos, Selenium Browser Methods and Selenium WebElement Methods, I forgot to add System.setProperty. My drivers are added to Environment Variables so System.setProperty is not required when writing my automation code. You can watch video number (7) How To ByPass System.setProperty to see how I added the drivers to Environment Variables.

In this video, I will add System.setProperty("webdriver.chrome.driver", "") then go to my Drivers folder to get the path for chromedriver. Shift then Right Click to Copy as path. Now paste the path.

```
driver = new ChromeDriver (); driver.manage().window().maximize();
```

Here's our first Navigation Method: driver.navigate(). Navigate provides access to all 5 Navigation Methods. Dot.to() driver.navigate.to loads a new web page. We can select any 1 of the first 2 options that shows void – Navigation. Navigation indicates it is a Selenium Navigation Method.

<https://www.Linkedin.com>

Let's start our test by writing Test annotation. public void demoSeleniumNavigationMethods

After loading LinkedIn, we are going to click the Forgot password link. driver.findElement By linkText "Forgot password?" dot click. Next is the email WebElement. driver.findElement By id dot sendKeys

Inspect the WebElement. The id is username.

username. I will send RexAllenJones@Hotmail.com which is my actual email for LinkedIn. Then refresh the page which is a method for reloading all WebElements. driver.navigate().refresh() I'm getting ready to run. The email address is not available after refreshing the page.

Now, let's go back to the previous page. driver.navigate().back() To show that our automation Test Script went back, we will get the title. driver.getTitle() and assign the value to String homePageTitle Print the title sysout "What Is The Home Page Title? " + homePageTitle

The last Navigation Method is forward. driver.navigate.forward() which will go to the Forgot Password page. We will also get the title after using forward. driver.getTitle() and assign the value to String passwordPageTitle

Print the title sysout "What Is The Forgot Password Page Title? " + passwordPageTitle. Let's run

What Is The Home Page Title? Log In or Sign Up

What Is The Forgot Password Page Title? Reset Password |LinkedIn

That's it for Selenium Navigation Methods. We loaded a web page using navigate.to(), refreshed the web page using navigate.refresh(), went back to the previous page using navigate.back(), and went forward to the Forgot Password page

You can download your Presentation and Automation Code at

<https://tinyurl.com/SeleniumNavigationMethods>