

Press Keys On The Keyboard

Hello and Welcome. In this video, we are going to automate pressing keys on the keyboard. This jQuery application allows us to search but does not allow us to click the Search icon. Notice, how I typed api but nothing happens after clicking the icon. However, this other jQuery application is different. We can search for api, click the Search icon, and we see Results. In order to continue with our search on the first application, we must press the Enter key then we see some results.

Let's automate pressing the Enter key by inspecting the WebElement. The id attribute is not available so we are going to use the name attribute which has a value of s.

Let's go to Eclipse. We will use the Selenium's Keys class and the Robot class to press the Enter Key. Find the element by writing `driver.findElement(By.name("s")).sendKeys("Test");` On the next line, we will press the Enter key. `driver.findElement(By.name("s")).sendKeys` The Enter key is pressed using the `sendKeys` method. Now, we write Keys dot and there are a lot of methods: Arrow Down, Left, Right, Up, Backspace, Cancel but we want Enter. That's how we automate using the Selenium class.

Now, let's automate using the Robot class. Start with the Robot class `robot = new Robot ();` Import the class. The Robot class is used where control of the mouse and keyboard is needed. Add a throws declaration. Next, we find the element `driver.findElement(By.name("s")).sendKeys` This time, we are going to use ("json");

`robot` dot and the Robot class has over 10 methods. We are going to press the Enter key so we select `keypress` then `KeyEvent`. `KeyEvent` is also a class. It indicates the keystroke. The keystroke we want is `VK_ENTER`. There's one more statement. We pressed the Enter key but have not released the Enter key. Therefore, our last statement is `robot.keyRelease(KeyEvent.VK_ENTER);` Let's Run. Both Methods Passed. That's it for pressing keys on the keyboard using the Selenium class and Robot class.