

# Navigation Methods For Selenium Using Python

Selenium Using Python Video Playlist

<https://www.youtube.com/playlist?list=PLfp-cJ6BH8u9sO59X4pnKwdbcMiAfOHXr>

In this session, we are going to focus on the Navigation Methods. It is a category of 3 methods that include actions for Back, Forward, and Refresh. The purpose of Navigation Methods is to move through pages in our browser's history and to refresh the page. If you are interested in a document, then a link in the description will take you to that document. I created a transcript just in case you want to read the information we cover in this video.

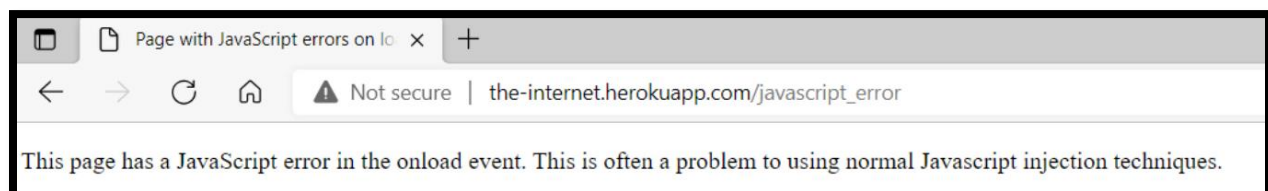
Let's start by going to the PyCharm IDE and we write from selenium import webdriver. Next, we type from webdriver\_manager.microsoft import EdgeChromiumDriverManager. Now, we set up and control the browser by typing driver = webdriver.Edge(EdgeChromiumDriverManager().install()).

At this point, we can load the page driver.get('https://the-internet.herokuapp.com/'). Let's also print the title to keep track of our automation Test Script. print('Home Page: ', driver.title).

```
from selenium import webdriver
from webdriver_manager.microsoft import EdgeChromiumDriverManager

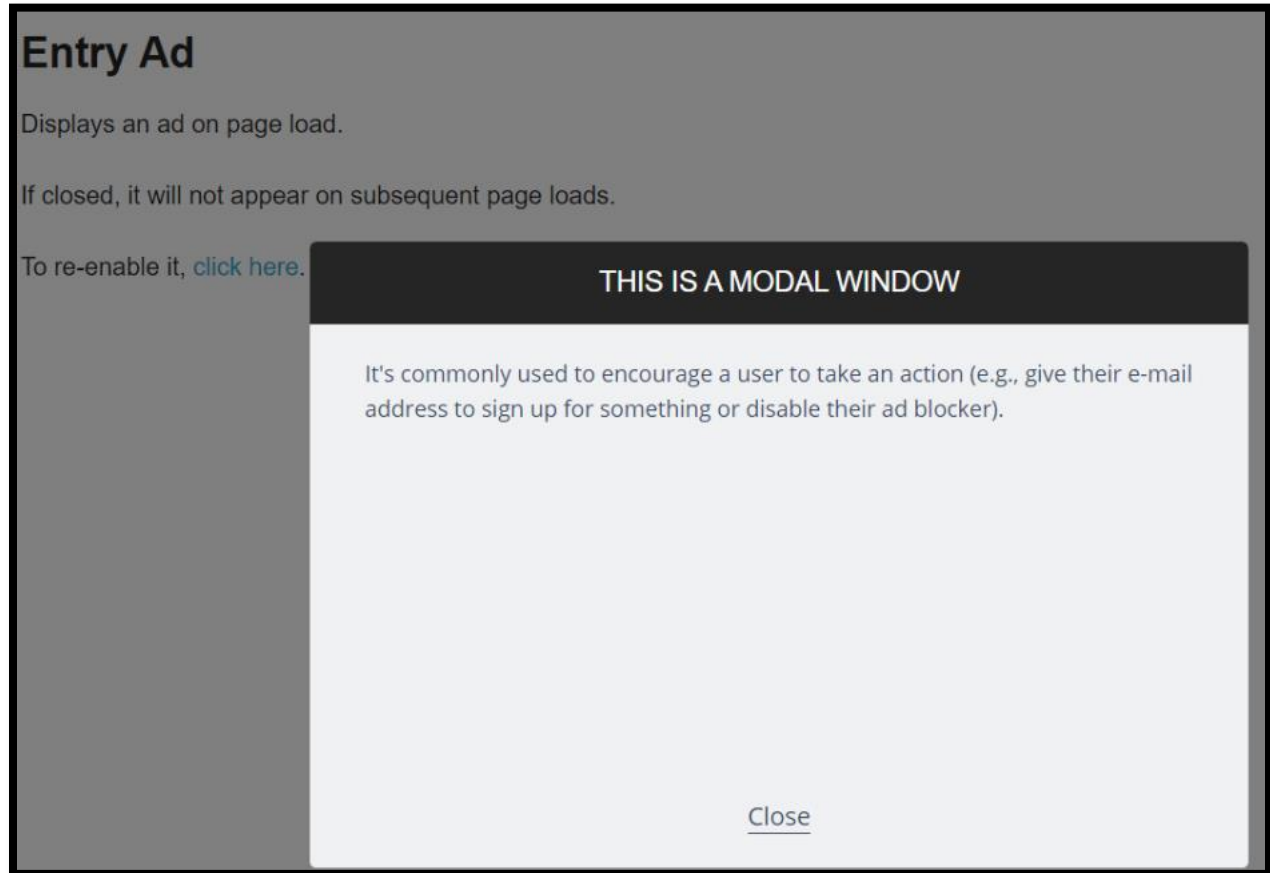
driver = webdriver.Edge(EdgeChromiumDriverManager().install())
driver.get("https://the-internet.herokuapp.com")
print("Home Page: ", driver.title)
```

The remaining Test Scripts will navigate through the application. We have already loaded the Home Page. Next, is to load this JavaScript onload event error page. We see it has an error that states "This page has a JavaScript error in the onload event" and the title is "Page with JavaScript errors on load".



After coming across this problem, our Test Script will navigate back to the previous page. We know the page has an error but our Test Script will navigate forward to the same page and get the title.

Let's go back to the Home Page. The last step is to refresh this Entry Ad page. Notice this window pops up and it will show up again when I click Refresh.



Let's go back to our Test Script. We load the JavaScript Error page by writing `driver.get('https://the-internet.herokuapp.com/javascript_error')`. Print the title: `print('New Page Has Error: ', driver.title)`. Now, we navigate back to the Home page: `driver.back()` then print the title `print('(Back) Go To Home Page: ', driver.title)`. Let's Run. The console shows Home Page: The Internet / New Page Has Error: Page with JavaScript errors on load / (Back) Go To Home Page: The Internet.

```
driver.get("https://the-internet.herokuapp.com/javascript_error")
print("New Page Has Error: ", driver.title)
driver.back()
print("(Back) Go To Home Page: ", driver.title)
```

`driver.forward()` is the next command. We are going to verify the page has an error. `print('(Forward) Verify Error Page: ', driver.title)`. The last Navigation Method is refresh. We load the entry ad page by writing `driver.get('https://the-internet.herokuapp.com/entry_ad')`. It's not recommended to implement sleep statements in our production code. However, for this demo, I will write `time.sleep(1)`. This statement

will wait for 1 seconds so we can see the window pop up. Now, we write `driver.refresh()` and wait 1 more second again `time.sleep(1)` / `print('(Refresh) Ad Showed Up 2 Times: ', driver.title)`. Let's run.

```
driver.forward()
print("(Forward) Verify Error Page: ", driver.title)
driver.get("https://the-internet.herokuapp.com/entry_ad")
time.sleep(1)
driver.refresh()
time.sleep(1)
print("(Refresh) Ad Showed Up 2 Times", driver.title)
```

The console shows Home Page: The Internet / New Page Has Error: Page with JavaScript errors on load / (Back) Go To Home Page: The Internet / (Forward) Verify Error Page: Page with JavaScript errors on load / (Refresh) Ad Showed Up Two Times: The Internet.

```
Home Page: The Internet
New Page Has Error: Page with JavaScript errors on load
(Back) Go To Home Page: The Internet
(Forward) Verify Error Page: Page with JavaScript errors on load
(Refresh) Ad Showed Up 2 Times The Internet
```

## Contact Info

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