CSE 322 : Software Engineering

LAB 03

**“WebDriver Conditional Commands”**

In today’s lab we will first focus on some **WebDriver Conditional Commands.** We discuss how it works, and how to operate with those commands. I will show from my system with one of my own chosen website, you can use anyone to practice and all.

1. **is\_displayed():** This Boolean function checks whether an element in a webpage is shown or not. You can do the following in any of your chosen website or even on any website that you developed.

* You have to find the element that you are going to check this function with for learning.
* Copy the **XPATH** of the element in consideration.
* Use the **driver.find\_element\_by\_xpath()** function to find the function, and save the result in a variable.(refer to the class video)
* Say the variable you saved the result in is **res,** to check if that element is displayed or not you just call **res.is\_displayed().**

1. **is\_enabled():** This is also a Boolean function to check whether an element is enabled or not in a webpage. The procedure to use this check is similar to the first function.

* You have to find the element that you are going to check this function with for learning.
* Copy the **XPATH** of the element in consideration.
* Use the **driver.find\_element\_by\_xpath()** function to find the function, and save the result in a variable.(refer to the class video)
* Say the variable you saved the result in is **res,** to check if that element is displayed or not you just call **res.is\_enabled().**

1. **is\_selected():** This Boolean function checks if an element in the webpage is selected or not. Based on that result you can do further works.

* You have to find the element that you are going to check this function with for learning.
* Copy the **XPATH** of the element in consideration.
* Use the **driver.find\_element\_by\_xpath()** function to find the function, and save the result in a variable.(refer to the class video)
* Say the variable you saved the result in is **res,** to check if that element is displayed or not you just call **res.is\_selected().**

**“Writing automatically on a Text Box”**

To write automatically on a textbox, we need the use of a new function called **send\_keys().** Say you want to run a script to search for “Deep Learning” on the google scholar platform.

So the steps you need to follow is-

* Open **Google Scholar** website using **driver.get().**
* Check if the ‘Articles’ radio button is selected. If not, then select that.
* Find out the search box where we usually type the search text, and save the return value in a variable.
* Write on the search box using the variable saved, say variable is **s\_box.** So you need to implement the command **s\_box.send\_keys(‘Deep Learning’).** [refer to the class lecture for clarification]
* Then click on the search button using **WebDriver** object that we are using for finding something out for clicking it.

Save file as .html

    a=driver.page\_source

    write=open("f.html",'w')

    write.write(a)

    write.close()