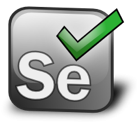
CS570 – Software Testing

**HOP06B – Selenium WebDriver – Drag and Drop Actions**

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**Caution**

* If you already finished this module through any CityU School of Technology & Computing (STC) courses, just skim this module and skip it.
* Some version numbers may not match with the newly released ones. If so, stay with the most recent ones.
* This tutorial targets Windows OS and Mac users.
* We cannot explain every step. This cookbook always needs your own creative judgement. Try to solve the problem on your own, after a few tries, if you cannot solve the issue, contact TA for help.

**Learning Outcomes**

* Deeper understanding of Selenium WebDriver.
* Continue performing web app testing using script, specifically able to:
  + Handling drag and drop actions

**Resources**

* Javapoint.come | Selenium WebDriver - <https://www.javatpoint.com/selenium-webdriver>
* Guru-99 | Selenium tutorial - <https://www.guru99.com/selenium-tutorial.html>

1. In VSCode, continue to work on startUsingSeleniumWebDriver folder the path should be similar to:

CS570-hop-Hands-on-practice/Module6/startUsingSeleniumWebDriver

**Drag and Drop Actions**

1. Ope this URL, let’s investigate the website before we write our script: <https://testpages.herokuapp.com/styled/drag-drop-javascript.html>

A picture containing graphical user interface

Description automatically generated

1. Try drag and drop different boxes to learn the behavior.
2. Under webdriver folder, create a new file called “DragnDrop.java”

A picture containing meter

Description automatically generated

1. Type the following into your DragnDrop.java:

Text

Description automatically generated

Line 21 to 26: to find the Element ID, right click on the website, click “Inspect” (for Mac Users) or “View Page Source” (for Windows Users), select element you want to inspect to see the detail, for example:

Diagram

Description automatically generated

1. Run the test to see result, using the following command:

mvn test -Dtest= DragnDrop.java

(Make sure you are in the right path when running the command. You should be in the startUsingSeleniumWebDriver folder path)

You should see 2 yellow boxes dragged and dropped to 2 red boxes:

Graphical user interface, application

Description automatically generated

**Challenge:**

Write a script to drag one of the yellow boxes to the Events area, expected result:

Chart, waterfall chart

Description automatically generated

**Submit your work:**

In VSCode terminal, Type the following command:

* git add . (to copy all changes you have made)
* git commit -m “Submission for Module 6 – Your Name” (To add a message to your submission)
* git push origin master (to upload your work to Github)