

Lab 7 Questions

[Question 1] Explain, in your own words, the potential advantages of using Selenium during a web development project.

Selenium is really powerful to run multiple queries to a website and examine how the browser interacts with the page. It is also really useful tool to examine if a website runs properly due to it running the commands to links and its features automatically.

[Question 2] Are there any potential drawbacks to using Selenium to develop web sites? Explain.

Yes, for example, Selenium tends to have difficulty running whether Firefox's pop-up utility or tools like Adblock Plus are running. When Selenium enters a "failure" in its sequence it seems to abort the test. Selenium seems great to work with pages written in pure HTML and pages with functionality already built in, but it may seem impractical to test if a testing link is working or not.

[Question 3] Write the HTML line for a test suite that links to a Selenium test case called MyCase and stored in the file myCase.html.

```
<tr><td><a href="myCase.html">MyCase</a></td></tr>
```

[Question 4] Write the HTML for a test case command click that takes one argument //a[@id='myLink']/.

```
<tr>
  <td>click</td>
  <td>//a[@id='myLink']/.</td>
  <td></td>
</tr>
```

[Question 5] What are the benefits to using HTML for Selenium test cases? What, if any, are the drawbacks?

Selenium uses the Javascript to understand the HTML, and due to HTML being a more "user-friendly" markup language, test cases are much easier to search for, create, and understand. Since Selenium commands also use CSS and XPath, two popular languages, it is compatible with many websites.