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CSSE 376
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Lab 7

[Question 1 (3 pts)] Explain, in your own words, the potential advantages of using Selenium during a web development project.

Selenium has great advantages in the sense it can test out your web app for you. Instead of having a team member test out every single possible path and link on your project, you can code up Selenium to crawl through each section and test each link. It also is more reliable than testing and checking as Selenium can assert that certain elements are present. If we tested the web app by hand, if the human tester failed to see something, he/she may record the test passed but really it didn't. But with Selenium, we can be certain the test did or did not pass.

[Question 2 (3 pts)] Are there any potential drawbacks to using Selenium to develop web sites? Explain.

Yes. Like any tool for testing, the program is only as effective as the user that is using. As seen during the demo, if the test step is written wrong, then Selenium will stop and error out. As long as the user has the abilities to debug Selenium and know how to deal with its qwerks, it is an effective testing tool.

[Question 3 (3 pts)] 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 (3 pts)] 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 (3 pts)] What are the benefits to using HTML for Selenium test cases? What, if any, are the drawbacks?

HTML is a simple language to use as most people already know some HTML. It also is rather simple to learn and understand so it doesn't require the tester to learn a new language written only for Selenium like other testing programs. The drawbacks are that you are using a web language as a testing language which cannot be the most effective language in the world to use. HTML also can be a bit temperamental if you fail to handle the tags properly.