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

The usage of Selenium provides the developers with an easy and practical way of automate tests for the web user interface of a system. It allows the developers to assert the system functionality through different browsers and different pages without having to allocate specific time and personal to do it manually. In addition, from the server perspective, Selenium behaves indistinguishable from a real user, allowing potentially hidden interaction bugs to appear.

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

Yes. Selenium currently is not a completely stable tool, and sometimes it may vary its behavior depending on the user set-up configuration. This might cause false alerts or hide real bugs. Also, while automating tests using Selenium, developers may be losing the critical sight of real tester upon the system and may be risking not to test very unusual interactions.

• [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.

<table id="suiteTable" cellpadding="1" cellspacing="1" border="1" class="selenium"><tbody>

<tr><td>MySuite</td></tr>

<tr><td>MyCase</td></tr>

</tbody></table>

• [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?

It allows the test cases to be easily distributed over the web and interpreted in your Selenium capable browser without dependencies in any programming language. The drawbacks are the long verbose of HTML and rigid formatting.