Software QA III - Automation Candidate Homework

**Background**

MINDBODY offers multiple web applications that allow businesses around the world to easily access its services. These services allow business owners to keep track of their entire organization through one website. That is to say, clients are able to offer classes, appointments, workshops, or even sell online products through MINDBODY’s online software. Due to this, it is crucial that the software is kept fully operational. Automated testing through browser automation enables to check if the software is working correctly from a front­end perspective.

**Task**

Create a series of automated tests using the Selenium framework and the C# programming language. These tests are designed to create coverage around an online parking calculator. Listed below are the test cases we would like coverage for. In addition to the cases below, write out and automate 5 more test cases for any scenarios you feel would benefit the testing effort of this tool. You are welcome to use the browser of your choice for these automated tests.

The URL for the website you will be testing is as follows:

<http://adam.goucher.ca/parkcalc/index.php>

**Test Cases**

*Test Case 1*

Given that I navigate to <http://adam.goucher.ca/parkcalc/index.php>

And I select the “Short-Term Parking” option in the “Choose a Lot” dropdown

And I enter “10:00” and “01/01/2014” in the “Choose Entry Date and Time” section

And I select the “PM”option in the “Choose Entry Date and Time”section

And I enter “11:00” and “01/01/2014” in the “Choose Leaving Date and Time” section

And I select the “PM”option in the “Choose Leaving Date and Time”section

When I click “Calculate”  
Then the “COST” is equal to “$ 2.00”

And the duration of stay is equal to “(0 Days, 1 Hours, 0 Minutes)”

*Test Case 2*

Given that I navigate to <http://adam.goucher.ca/parkcalc/index.php>

And I select the “Long-Term Surface Parking” option in the “Choose a Lot” dropdown

And I click on the Calendar Icon in the “Choose Entry Date and Time” section

And I select “01/01/2014” in the new window that appears

And I click on the Calendar Icon in the “Choose Leaving Date and Time” section

And I select “02/01/2014” in the new window that appears

When I click “Calculate”  
Then the “COST” is equal to “$ 270.00”

And the duration of stay is equal to “(31 Days, 0 Hours, 0 Minutes)”

*Test Case 3*

Given that I navigate to <http://adam.goucher.ca/parkcalc/index.php>

And I select the “Short-Term Parking” option in the “Choose a Lot” dropdown

And I enter “01/02/2014” in the “Choose Entry Date and Time” section

And I enter “01/01/2014” in the “Choose Leaving Date and Time” section

When I click “Calculate”  
Then the “COST” is equal to “ERROR! YOUR EXIT DATE OR TIME IS BEFORE YOUR ENTRY DATE OR TIME”

*Test Cases 4-8*

Create and automate 5 test cases that provide additional coverage to the ones above.

**Deliverables**

* All source code and project files
* Write up of all additional test cases
* Write up of project design, methodologies implemented, and technologies used
* Write up of any bugs discovered through testing
* Optional: Provide access to your solution through a GitHub repository
* **References**
* Parking Calculator ­ <http://adam.goucher.ca/parkcalc/>
* Selenium ­ <http://www.seleniumhq.org/>