

COSC212 Assignment1 Report

Third Party Code or Libraries used in submission:

- To create the two sliding switch icons on my "findus.html" page I used some code from w3schools. I adapted it slightly to suit my use and I commented the code used in my style sheet.

JSLint options I chose when checking my code:

- Assume a browser = because the code I wrote was to be used in a browser as it was for a web page
- Tolerate for statements = because it is often more logical for me to use for statements in my code as it allows me to efficiently access different variables in arrays.
- Tolerate multiple vars = if I was to write each variable separately on its own line I would have a lot of wasted space at the top of my code.
- Tolerate whitespace mess = a lot of the time there may not be a space in a place where there should be according to JSLint (and vice versa), but it doesn't make any difference to the code and is barely noticeable.

How I tested my program:

I tested my program by running it repeatedly throughout the creation stages to ensure everything was working correctly. This included things like using the map extensively when creating the map, switching the sliders to toggle the markers on the map, watching the home page slideshow and making multiple booking searches. I also tested all the edge cases when I could to make sure that the site didn't have any errors I may have missed. For example, when searching possible booking times, I entered in dates that don't exist (e.g. the 31st of September or the 30th of February) to see what would happen. I found that the system accepted them as if they were real dates. Therefore, I had to go back to the code to make sure that these cases were checked and errors were raised if a user tried to enter them. I also checked the available hotel rooms from various searches to make sure that the ones displayed were free at that time. After completing multiple searches with very large booking periods I found that hotel rooms that were supposed to be booked out were showing up. I discovered the reason for this error and fixed it in my code. Once I found a problem and "fixed" it I always refreshed the page and ran the test cases two and three more times to make certain that the errors were appropriately fixed.

Outstanding problems I am aware of:

- I am aware that when my page is resized to be very small the items on the page do not appear how they should, therefore the website is not ready to be used on smaller devices such as smartphones.

Enhancements I made beyond general requirements:

- I provided a button to delete the items stored in the Cookie because the user is likely to change their mind or accidentally click “book” on a room they don’t want. However, I provided a warning alert because I understand how it could be just as easy to push the delete button by accident.
- I provided pop-up information about the points-of-interest and the hotel on the map to add more detail to the information already provided. This is because we were shown how to do this in the lab and I thought it would make the map more useful and interesting.
- I made a slideshow for the index page with images of the “hotel”. This is because I believe first impression is important and the first thing the user will see of the hotel will most likely be the index page. The slideshow draws the eye as it is moving and the images are bright and beautiful.