

COSC212 Assignment2 Report

Third Party Code or Libraries used in submission:

- I didn't use any third party codes or libraries.

How I tested my program:

I tested my program by running it repeatedly throughout the creation stages to ensure everything was working correctly. For example, when creating my admin functions I repeatedly tried to delete, add and edit rooms to make sure that the response was correct. I also used trial XML files so that I did not ruin the real data stored with trial actions. I made sure that I tested all the edge cases that I could determine, such as what would happen if a room number was entered in as a new room that didn't require just numbers. From this I discovered that I needed to create validation to make sure that the values added were appropriate. I also discovered that I needed to make the room number read only if an admin wanted to edit room details, otherwise they could accidentally end up editing a room that was not the one originally chosen. 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. My testing also led me to determine what features I should add to make the website easily accessible and understandable. I found that a "Back to admin home page" button was useful at the end of a process, such as a new room added, as it allowed the admin to continue working amongst the admin processes smoothly instead of having to re-adjust the url to show the admin home again. I also found making the 'book' and 'admin' links in the navigation appear to be active even when the direct page wasn't 'book.php' or 'admin.php'. This made it easier for the user to determine which area of the site they were working on when, for example, completing their booking. When writing the code I made sure that I worked slowly and incrementally, checking that each stage was working and made sense before I started the next. This meant that I did not end up with a lot of errors from a large chunk of code with no idea what wasn't working. This allowed me to work more efficiently as I didn't have to spend quite so much time on fixing errors.

Outstanding problems I am aware of:

Talitha van Lith 8078082

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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 cancel the room stored in the Cookie at the 'Complete Booking' page 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.