

Comp212 Assignment1 Report:

Third Party Code:

- I have used the jquery date picker for the user to select the date range that they wish to make a booking. <https://jqueryui.com/datepicker/>
- Cookie.js is the code that was given with the sample solution for the cookies lab.

Jslint Options Used:

- For statement.
- Messy white spaces.
- A browser.
- Global Variable:
 - \$.
 - Cookie.

Program Description:

- **JavaScripts:**
 - **Cookies.js:**
 - This is the exact code that was given in the sample solution for the labs.
 - **Rooms.js:**
 - The rooms.js script on set up calls to the showRooms function. ShowRooms first finds all the tags in hotelRooms.xml and sets up an array containing each one with its child nodes. It then has a for loop to add a <p> element specifying the room number, bed type, description and the price per night for the current room in the loop to an empty string that was declared outside the loop. Finally the string with all the <p> elements for every room in hotelRooms.xml is appended to the <div> with rooms_to_book for the id.
 - **Bookroom.js:**
 - This script does of the java scripting for the bookroom.html page. On set up it checks to see whether there is any cookies for pending bookings by calling the insertPending function which sets up the JQuery date picker for the checkInDate and checkOutDate <input> elements so that the user can easily select a date. After setting up a variable that contains the current date then goes onto the result of clicking the “Find Room” button. Within the click function for “Find Room” there is a bunch of error checking for the selected dates i.e. making sure that both check in and check out have values, check in is less than check out and check in less than the current date. If all the checks pass it then call the contents function which inserts the required content after the "Find Room" button has been clicked along

with the Cookie set up when the "Book Room" button is clicked provided that there is no errors i.e. no name entered. And after every click of the "Book Room" button the insertPending is called to update the displayed pending list.

- **Admin.js:**
 - This works pretty much the same as the rooms.js except is taking the rooms from roomBookings.xml and displays them just about the same.
- **HTMLs:**
 - All the htmls have the same basic format with; a header containing the title and the navigation bar, a main with all the content, and a footer that has my details. The bookroom.html has slightly more, within the main it has a div to display the bookings in the cookies, a div for error messages and ul containing the three input elements required to search for a room.
- **CSS:**
 - The first half is the main layout for the entire site, after which it goes on to the page specific styling.

Testing:

- I did testing by trying out various date ranges and trying to book with no name entered.

Known Problems:

- The main problem that I know about is that once you have searched for a room and it's a valid date input the booking options will appear but you are then able to change the dates and if you don't search again you're able to place a booking with dates that may be invalid for the room you have specified. Due to poor time management on my behalf I was unable to amend this bug in time before needing to submit my work.
- Also the current date is returning the incorrect date and I no idea why.

Enhancements:

- There is none sorry☹.