Report

Third party –code/ Libraries

I used several third party codes and libraries to enhance the functionality and appearance of my site, these include:

1. **Bootstrap:**
   I used the Bootstrap framework for custom CSS styles fonts, date picker, and adaptability to devices of different screen sizes.

2. **JQuery library:**
   I used JQuery libraries for JQuery functions to customize the behaviors of my site and also the date picker.

3. **Fonts:**
   I used external fonts from googleapis.com

Testing

Booking a room:

I used a date picker to ensure easier navigation for users but also supported the use of manual input. To ensure the validation worked as expected I tried all various forms of input such dates in the past, overlapping checking and checkout days, and all forms character for name field. I ensured that the right available rooms by purposely changing xml files to create overlapping between booked rooms and desired bookings dates to ensure there no clashes. To ensure bookings were saved I checked xml files were changed and also echo confirmation messages only after the rooms were saved in the xml. The confirmation messages were also a way of informing the user of the booking details and confirmation.

Administration.

To ensure all my administration function worked I tried different cases of input, correct and incorrect to make sure the functions behaved as expected. I also checked xml file after each edit, delete and addition of rooms as well as booking deletions. For deleted rooms which are booked I enabled the deletion of the room, but also relay messages informing the staff of the bookings deleted as result so they take appropriate action. I also relay confirmation messages after all successful action to inform staff of the action they perform.

Overall

I repeated test after each major change to the site as well as after validation. I also tested on different browsers as well as at different screen sizes to ensure expected behavior.

I also had a few friends try out the site to observe gain input and improve sight by their usage behavior.

I also turned off JavaScript variable for jquery worked and all room information loaded, and converted all jquery to php jquery.

Issues and validation.

Validation –

        JSLint validation I turned off-
            -$ global variable for jquery
            -ticked 'is a browser' variable for jquery
            -ticked 'this' for jquery

        CSS issues–
            -Had unknown vendor warnings for bootstrap extensions
            And also redefinition warnings because Boostrap redefines
            -Styling at different screen sizes using @media.