

Third party code and libraries

I have used from the sample solution of assignment1 and its corresponding JavaScript with all other files. The image shown in the header of each page is downloaded <https://www.pexels.com>, to get free photos.

JSHint

I have chosen JSHint for JavaScript validation, as it is highly configurable. I selected the following options from JSHint :-

- ❖ “warn about using bitwise operators”: To warn me if I used any bitwise operators.
- ❖ “block omit{}”: To get a warning if I missed any curly brackets. It was very helpful, as JSHint will throw an error on the editor itself.
- ❖ “Unsafe comparisons”: To get a warning as I wrong comparison for a statement.
- ❖ “Arguments .caller and .callee”: To prohibits the use of arguments. Caller and arguments .callee.
- ❖ “Empty blocks”: To check against empty blocks, as it will crash JavaScript.
- ❖ “new usage for side effects”: To prohibit the use of constructor functions for side- effects.
- ❖ “Variable undefined”: To get a warning for unde8ined variables as they crash JavaScript as well. And also unused variable need to remove as they are of no use.

Testing of application

- Tried to access all the pages and check if they are linked together in navigation.
- Entered random values into form section to find what restriction to give to the input field in each form section.
- I constantly tested the output of my webpage to what I wanted. If this was different from what I expected, I echo print or console log to check where the problem was and tried to fix the problem one at a time.
- I was constantly checking the XML file, to make sure it was being manipulated correctly.
- Once I was satisfied with my project. I found useful to get someone else to use my webpage. This showed me various flaws in my site that I was not able to point by myself. This helped me in fixing some of the problems in

my project.

- I have used W3C CSS validator to check and validate my CSS file.

Problems

When making a booking a person can book the same room with similar checkin and checkout date as earlier booking. I Google to block the multiple same booking but could not find any straightforward answer.

Another problem in room booking page is that if I select room first and then fill name and checkin- checkout date, the selected room was unselected. I tried to fix this problem but not succeeded.