

CS309 Assignment1 HTML.CSS.JS (Elective Assignments)

1. According to the picture below, design a similar web page about tutorial 4 that covers all features [40 points]

(including designing the Date and Time, adding or deleting a row etc.).

Hotel List

Hotel Name	City	District	Date	Earliest check-in time	price	Room Type	Operation
Sheraton	SHEN ZHEN	FU TIAN	2021-10-01	14:00	953	Standard Room	Delete
Intercontinental	SHEN ZHEN	YAN TIAN	2021-10-02	13:00	3940	King Bed Room	Delete

Add Hotel

2. According to our new requirement, adding several logics, and different error messages should be given for each invalid input. [35 points]

Form example:

Hotel Name:

City: ☐ GUANG ZHOU ☒ SHEN ZHEN

District:

Date:

Earliest check-in time:

Price:

Room Type:

2.1 Hotel Name can only be English Letters

2.2 City and District:

- City is a **Single choice radio**, and the value of which only can be or
- District is **Drop Down select**, and the option of which should be **changed with the value of City**.

For example, if we select , the value of district should be changed immediately to

Otherwise, the value of district should be

2.3 Normalize the input of check in time, which means if the time lower than 10, please add "0" in front.

e.g. 04:05 15:02

2.4 The date you have selected should be after the current date.

For example, if the current date is 2024-10-09 , the date after 2024-10-10 (inclusive) is ok.

2.5 Room Type:

- Hotel type is **Drop Down select**, and the option of which are `Standard Room`, `King Bed Room`, `Family Room`, `Presidential Suite`

2.6 Uniqueness of Each Row:

- Different rows with the same **Hotel Name**, **City**, **District** and **Room Type** can not be appeared for many times.
- Price** should not be same if different rows have the same **Hotel Name**, **City** and **District**, but the **Room Type** is difference.

3. It may be a little ugly to display the form when user is just viewing the record information. Could you move the form to a pop-up dialog or create a button to toggle the visibility of form? [10 points]

The following two pictures are a rough example of dialog. (Tips: You can use a button and toggle the display CSS attribute of the form, or use the Modal Dialog in Bootstrap framework.)

Hotel List

Hotel Name	City	District	Date	Earliest check-in time	price	Room Type	Operation
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Hotel List

Hotel Name	City	District	Date	Earliest check-in time	price	Room Type	Operation
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Hotel Name:

City: ☐ GUANG ZHOU ☒ SHEN ZHEN

District:

Date:

Earliest check-in time:

Price:

Room Type:

4. Remove the code in css file given to you in tutorial 4, and then using a better one instead. You need to make the page nicer. [15 points]

You can design your CSS, or rewrite the whole page completely using frameworks like `Vue.js`, `React.js` and so on.

Your score for this section depends on how beautiful your page is and how much code you write for beautification.

How to grade?

Checking time: Only in lab course.

Checker: Your own lab teacher or student assistants.

Checking Deadline: The **fourth week** of the your lab course. Oct. 9th to Oct. 11th

Checking process: Run your program to your teacher or student assistant, and the checker would give you a grade. We will give you **two opportunities** for this assignment. If the two opportunities are exhausted, we will take the second grade as the final grade of this assignment.

It is an elective assignment, and we have another two elective assignments(back-end and game) in following weeks. We only mark the grade of these elective assignments for once time, and the final grade of elective assignment is the highest of those three.