CS309 Assignment1 HTML.CSS.JS

(Elective Assignment)

1. General Design [35 points]

According to the picture below, design a similar web page for the conference room administrator to publicize the list of open conference rooms.

Similar to the tutorial in the lab course, the add and delete functions can be used normally.

Conference Rooms

Room Name	Department	Type	Location	Date	Start Time	End Time	Max Duration	Operation
Room1	Electrical	small	South Building 426A	2023/9/10	08:00	20:00	2h	Delete
Room2	Computer Scince	big	South Building 434A	2023/9/10	00:00	24:00	4h	Delete

Add Room

2. Detailed Logic Requirements

Only conference rooms that meet the requirements below (2.1-2.6) can be added to the list and various error messages should be given for each invalid input. [35 points]

An example:

Add Room

Room Name	[ ]
Type	○ Small ○ Medium ○ Big
Department	[ ]
Date	[2022/09/18 📅]
Start Time	[--:-- 🕐]
End Time	[--:-- 🕐]
Location	[Teaching Building No.1 Lecture Hall ▾] [ ]
Max Duration	[ ]

[Submit]   [Cancel]

- 2.1 Department name can only be English letters, Room name should be a combination of letters and numbers (e.g., Room1 Room2).

- 2.2 The date selected should be after the current date, and the format must be "YYYY/MM/DD".

  For example, if the current date is 2023/09/09 , the date after 2023/09/10 (included) is valid.

- 2.3 Room type should be selected through a radio button group, with options Small, Medium and Big.

- 2.4 Time and Location:

  - Start time no later than the end time .
  - Normalize the input of time, which means if the time is lower than 10, please put a "0" ahead. (e.g., 04:05 15:02)
  - Location needs to be consists of two parts, first part represent position and can be selected through a **drop down menu**, with options including Teaching Building No.1 Lecture Hall, Research Building Lecture Hall, Library Conference Hall and South Building, then following by a concrete room, such as South Building 434A.

- 2.5 Duration must be a number.

- 2.6 No field is allowed to be null.

3. Modifying information. [20 points]

For example, click the button and the form dialog appears for modification. When click `Edit` button, all information in this row should copied into corresponding location in the form.

Conference Rooms

Room Name	Department	Type	Location	Date	Start Time	End Time	Max Duration	Operation
Room1	Electrical	small	South Building 426A	2023/9/10	08:00	20:00	2h	Delete / Edit
Room2	Computer Scince	big	South Building 434A	2023/9/10	00:00	24:00	4h	Delete / Edit

Add Room

```
┌──────────────────── Add Room ────────────────────┐
│                                                   │
│   Room Name      [ Room1                      ]   │
│                                                   │
│      Type        ⊙ Small  ○ Medium  ○ Big         │
│                                                   │
│   Department     [ Electrical                 ]   │
│                                                   │
│           Date   [ 2023/9/10        📅 ]          │
│                                                   │
│     Start Time   [ 08:00   🕐 ]                   │
│                                                   │
│       End Time   [ 20:00   🕐 ]                   │
│                                                   │
│       Location   [ South Building  ∨ ][ 426A  ]   │
│                                                   │
│   Max Duration   [ 2.0                        ]   │
│                                                   │
│          [ Submit ]        [ Cancel ]             │
│                                                   │
└───────────────────────────────────────────────────┘
```

4. The examples above are crude, please make your page look nicer. [10 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. 11th to Oct. 13th

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.