JS Advanced Exam

Problem 1. Hotel Reservation

Environment Specifics

Please be aware that every JS environment may **behave differently** when executing code. Certain things that work in the browser are not supported in **Node.js**, which is the environment used by **Judge**.

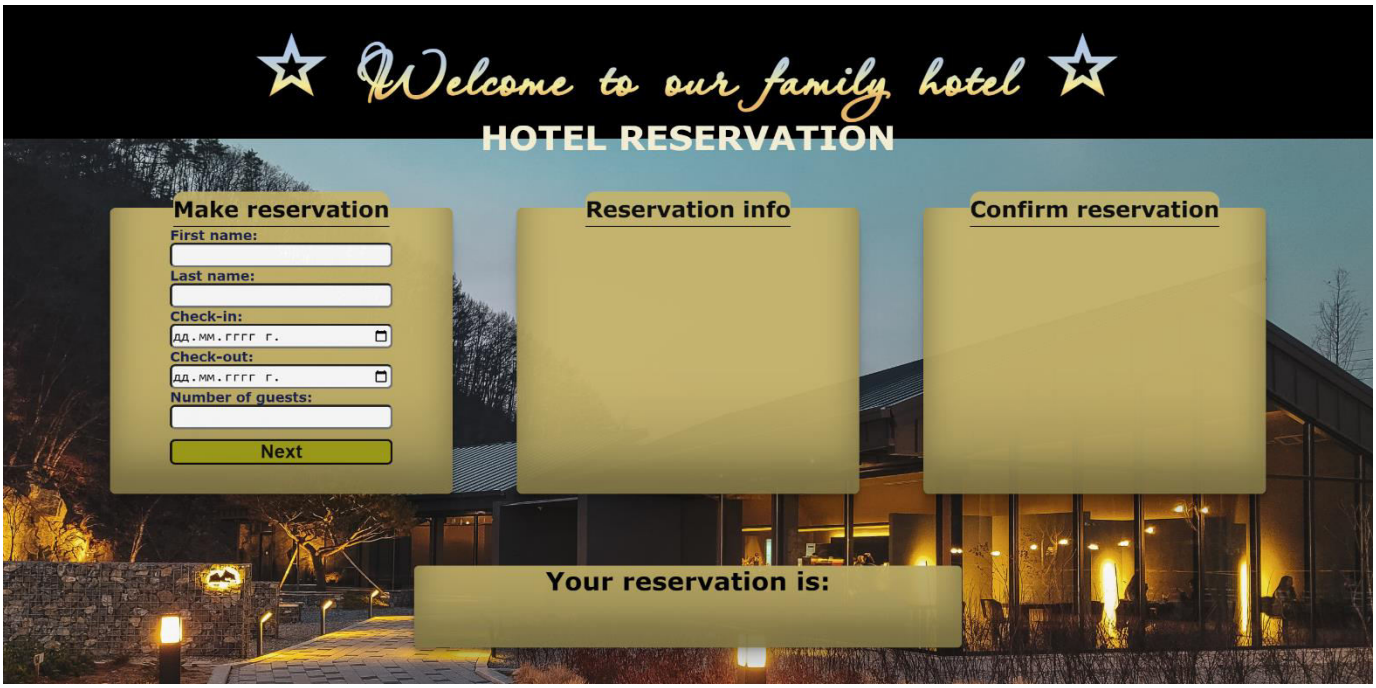
The following actions are **NOT** supported:

- `.forEach()` with **NodeList** (returned by `querySelector()` and `querySelectorAll()`)
- `.forEach()` with **HTMLCollection** (returned by `getElementsByClassName()` and `element.children`)
- Using the **spread-operator** (`...`) to convert a **NodeList** into an array
- `append()` in Judge (use only `appendChild()`)
- `prepend()`
- `replaceWith()`
- `replaceAll()`
- `closest()`
- `replaceChildren()`
- Always turn the collection into a **JS array** (forEach, forOf, et.)

If you want to perform these operations, you may use `Array.from()` to first convert the collection into an array.

Use the provided skeleton to solve this problem.

Write the missing functionality of this user interface. The functionality is divided in the following steps:



Your Task

Write the missing JavaScript code to make the **Hotel Reservation** work as expected:

All fields **(First Name, Last Name, Check-in date, Check-out date** and **Number of guests)** are **filled with the correct input.**

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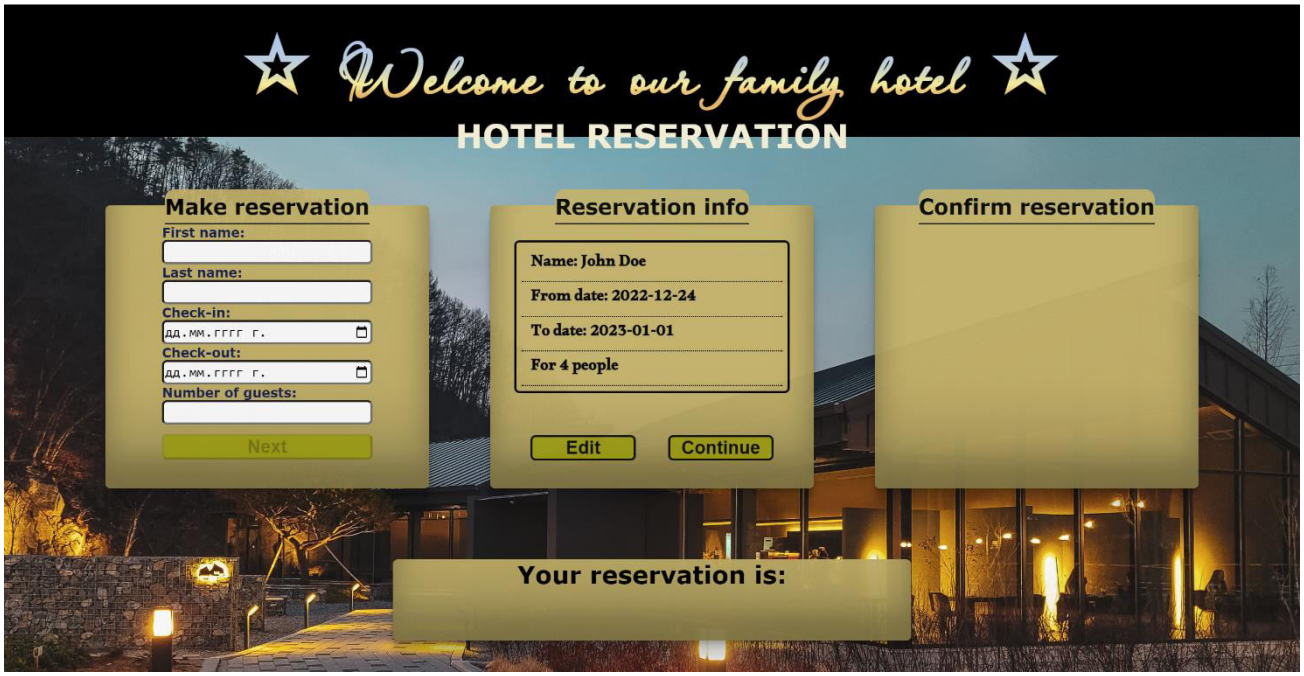
- **First Name, Last Name, Check-in date, Check-out date** and **Number of guests** are **non-empty strings** and **Check-in** date is **before Check-out** date. If any of them is empty, the program should not do anything.

1. Getting the information from the form



- On clicking the **`["Next"]`** button the information from the input fields is listed in the **`"Reservation info"`** section. For the input fields a **list item** is **added** to the **`"info-list"`** unordered list.
- The text format and order for the list item should be the same as on the picture below.
- When the button is clicked, the input fields must be cleared and the **`["Next"]`** button must be **disabled**. At the same time the **`"Edit"`** and the **`"Continue"`** buttons must be **enabled**.
  The HTML structure looks like this:

```
<h1>Reservation info</h1>
<ul class="info-list"> == $0
 <li class="reservation-content">
  <article>
     <h3>Name: John Doe</h3>
     <p>From date: 2022-12-24</p>
     <p>To date: 2023-01-01</p>
     <p>For 4 people</p>
   </article>
   <button class="edit-btn">Edit</button>
   <button class="continue-btn">Continue</button>
 </li>
</ul>
```

The functionality here is the following:

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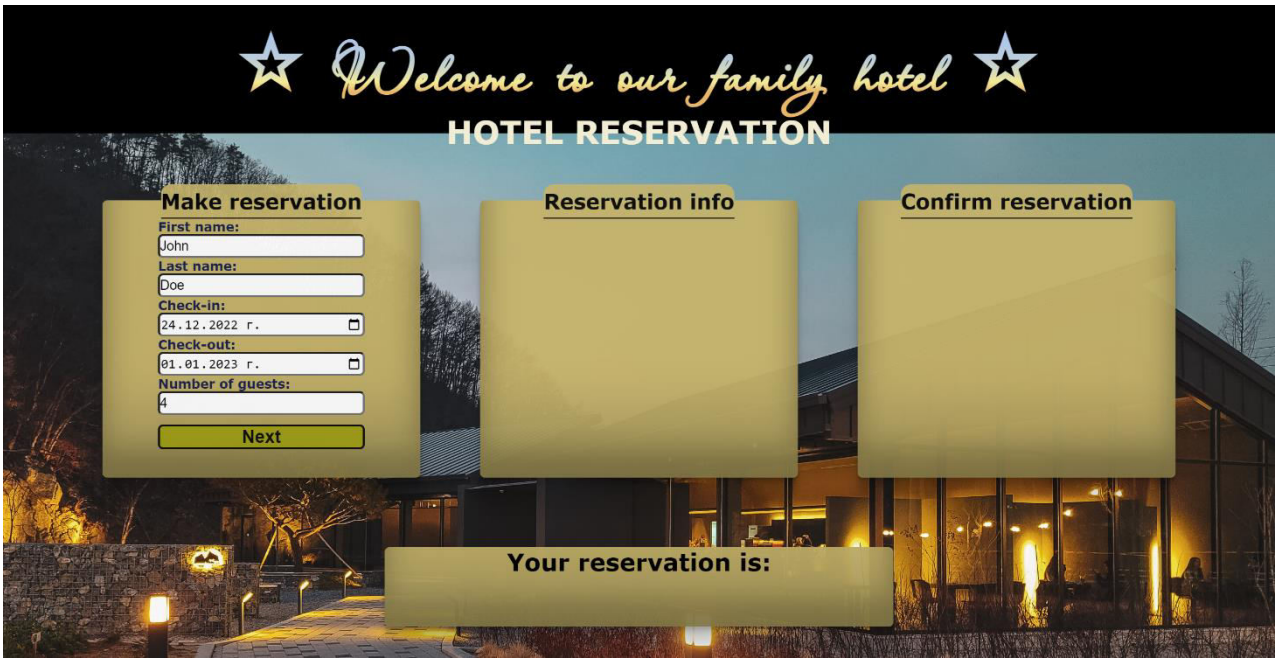
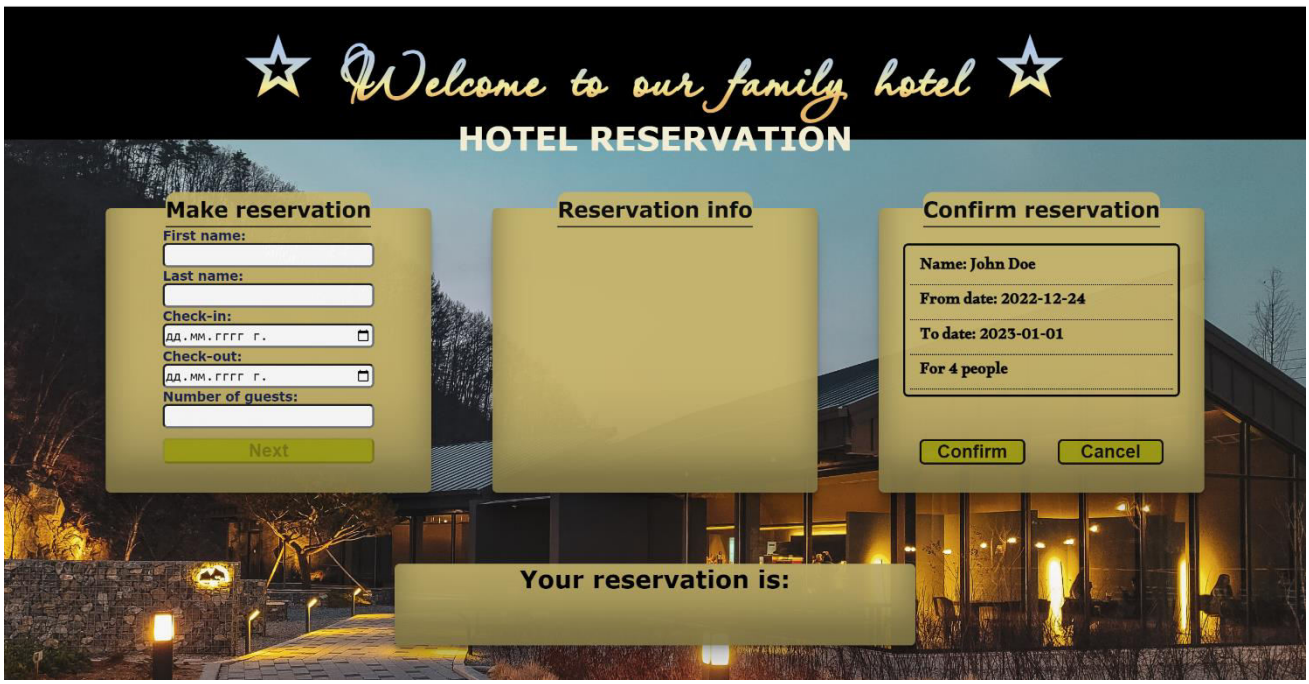
- When the **"Edit"** button is clicked, all of the **information** is **loaded** in the **input fields** from step 1 and the **["Next"]** button is **enabled** again.



- The **list items** must be **removed** from the **"info-list" and** all of the **information** must go back to the **input fields** again**.**

```
<h1>Reservation info</h1>
<ul class="info-list"> </ul> == $0
```

- When the **"Continue"** button is clicked, the information from **"info-list"** unordered list must be transferred to **"confirm-list"** in the **same** HTML structure. For you, this means **removing everything** inside of the **ul** with class = **"info-list"** and **adding** in **"confirm-list",** the list item with same information and change **"Edit"** and **"Continue"** buttons to **"Confirm"** and **"Cancel"** with changed **class**.



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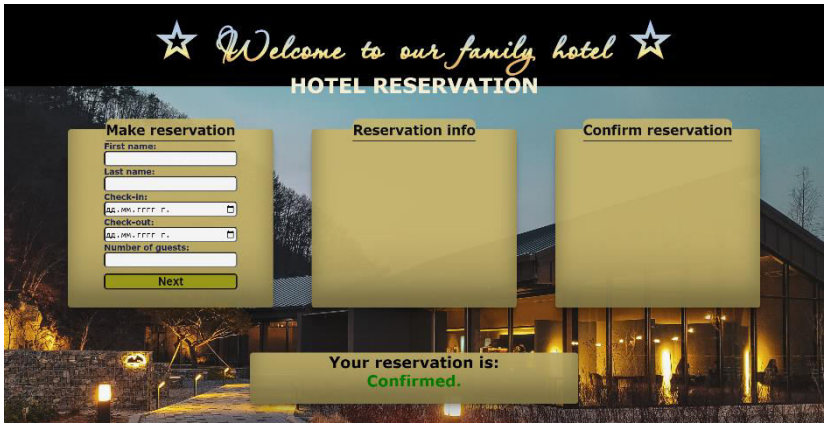
- This is HTML structure of **"confirm-list"** unordered list:

```
<h1>Confirm reservation</h1>
<ul class="confirm-list"> == $0
  <li class="reservation-content">
    <article>
      <h3>Name: John Doe</h3>
      <p>From date: 2022-12-24</p>
      <p>To date: 2023-01-01</p>
      <p>For 4 people</p>
    </article>
    <button class="confirm-btn">Confirm</button>
    <button class="cancel-btn">Cancel</button>
  </li>
</ul>
```

- When the **"Confirm"** button is clicked, the **list item** must be **removed,** from the **"confirm-list",** the **["Next"]** button is **enabled** again you must add new **class** and add **text** to **<h1>** element with id=**"verification"**.If **"Confirm"** button is clicked **class** must be **"reservation-confirmed"** and **text** is **"Confirmed.".**
  - **"Confirm"** button:



- When the **"Cancel"** button is clicked, the **list item** must be **removed,** from the **"confirm-list",** the **["Next"]** button is **enabled** again you must add new **class** and add **text** to **<h1>** element with id=**"verification".** If **"Cancel"** button is clicked **class** must be **"reservation-cancelled"** and **text** is **"Cancelled.".**

  - **"Cancel"** button:

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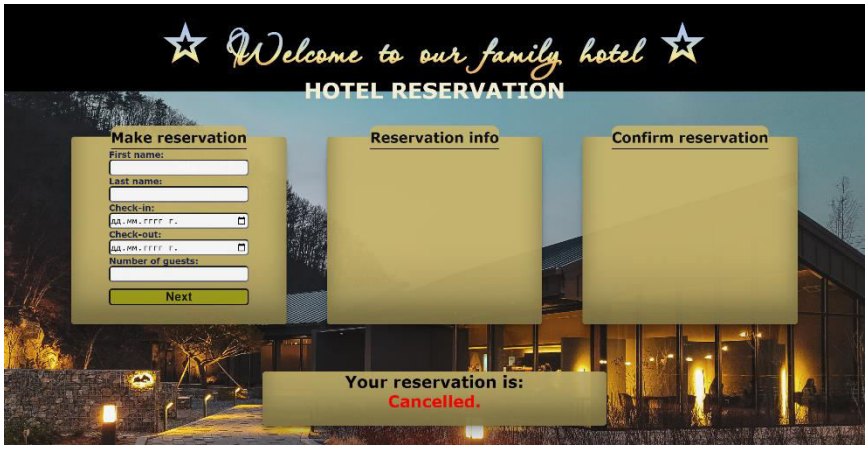

Submission

Submit only yours **solution()** function.

GOOD LUCK... ☺

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