

JS Advanced Exam

Problem 01.Tech Troubleshoot Hub

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**.

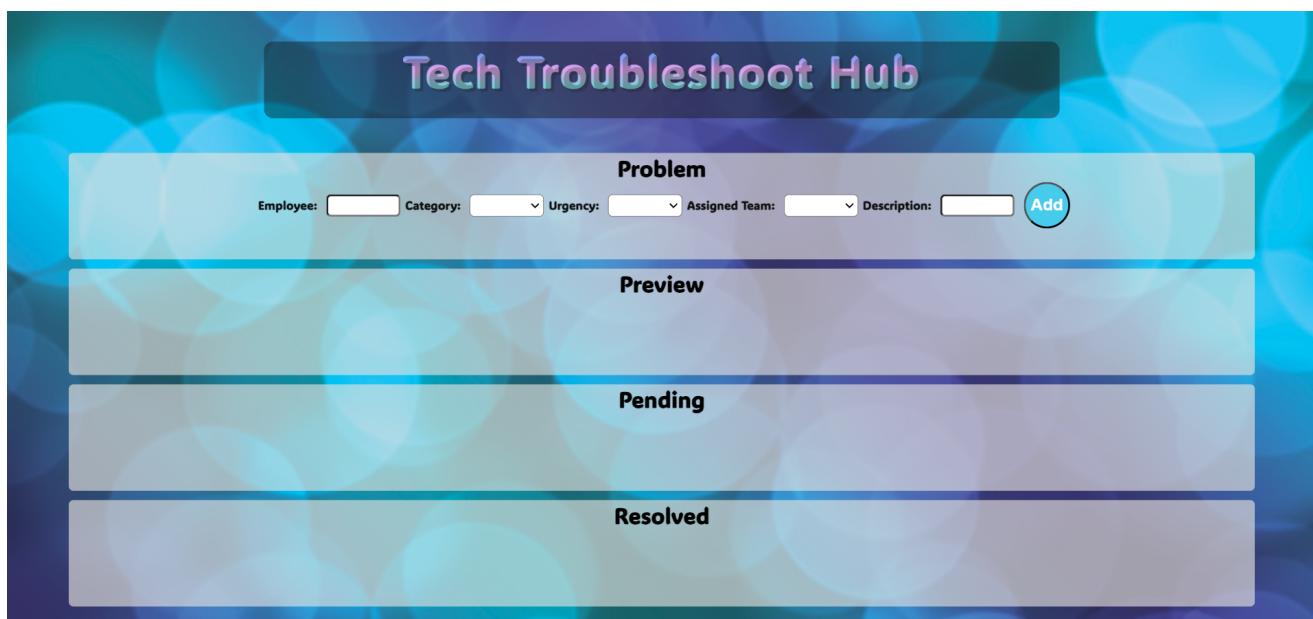
The following actions are **NOT** supported:

- `.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 **Tech Troubleshoot Hub** work as expected:

All fields (**Employee, Category, Urgency, Assigned Team, and Description**) are filled with the correct input

- **Employee, Category, Urgency, Assigned Team, and Description** are non-empty strings. If any of them is empty, the program should not do anything.

1. Getting the information from the form

The screenshot shows a web-based application titled "Tech Troubleshoot Hub". At the top, there is a header bar with the title. Below it, a "Problem" section contains input fields for "Employee", "Category", "Urgency", "Assigned Team", and "Description", followed by a red "Add" button. In the "Preview" section, the entered data is displayed: From: Adam Dupon, Category: Hardware, Urgency: Medium, Assigned to: Hardware Support Division, and Description: My laptop frequently overheats, causing performance issues, unexpected shutdowns, and discomfort when I use the device for extended periods. There are "Edit" and "Continue" buttons next to the preview. Below the preview, there are two empty sections labeled "Pending" and "Resolved".

- On clicking the ["Add"] button, the information from the input fields is listed in the "Preview" section by adding a **list item** to the ".preview-list" unordered list.
 - The list item should follow the same text format and order as shown in the provided picture.
 - Upon clicking the button, the **input** fields must be **cleared**, and the ["Add"] button should be **disabled**. Additionally, the "**Edit**" and "**Continue**" buttons need to be added.

The HTML structure looks like this:

```
▼<ul class="preview-list">
  ▼<li class="problem-content"><flex>
    ▼<article><flex>
      <p>From: Adam Dupon</p>
      <p>Category: Hardware</p>
      <p>Urgency: Medium</p>
      <p>Assigned to: Hardware Support Division</p>
    ▼<p>
      "Description: My laptop frequently overheats,
      causing performance issues, unexpected shutdowns,
      and discomfort when I use the device for extended
      periods."
    </p>
  </article>
  <button class="edit-btn">Edit</button>
  <button class="continue-btn">Continue</button>
  </li>
</ul>
```

2. Editing the information

The functionality here is the following:

- When the "Edit" button is clicked, all of the **information** is loaded in the **input fields** from step 1 and all buttons in **Preview** section are **removed** while the ["Add"] button is **enabled** again.

The screenshot shows a web-based application titled "Tech Troubleshoot Hub". At the top, there's a "Problem" section containing input fields for Employee (Adam Dupon), Category (Hardware), Urgency (Medium), Assigned Team (Hardware), and Description (My laptop fr). A blue "Add" button is visible. Below this are three horizontal sections: "Preview", "Pending", and "Resolved", each represented by a light gray rectangular area.

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

```
<h1>Preview</h1>
<ul class="preview-list"></ul>
</div>
```

3. Continue to pending

- When the "**Continue**" button is clicked, the information from "**preview-list**" unordered list must be transferred to "**Pending-list**" in the **same** HTML structure. For you, this means **removing everything** inside of the ul with class = "**preview-list**" and **adding** in "**Pending-list**", the list item with same information and the "**Resolved**" button must be **added**.

The screenshot shows the same application interface. In the "Pending" section, there is a table-like structure with columns for From (Adam Dupon), Category (Hardware), Urgency (Medium), Assigned to (Hardware Support Division), and Description (My laptop frequently overheats, causing performance issues, unexpected shutdowns, and discomfort when I use the device for extended periods.). To the right of the description is a blue "Resolved" button.

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

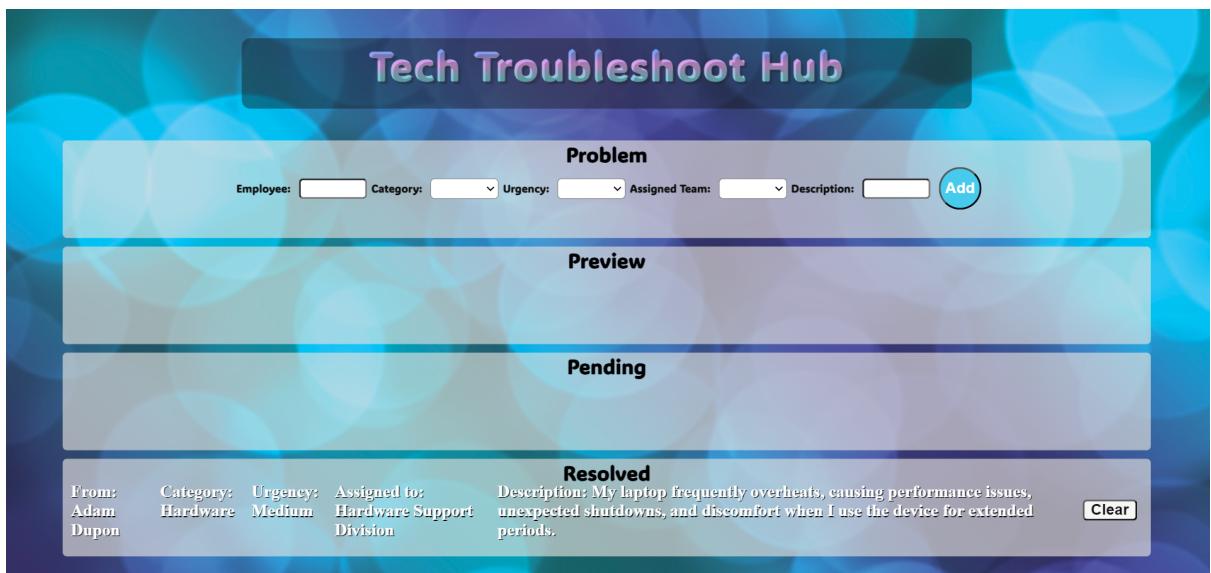
```

<h1>Pending</h1>
▼<ul class="pending-list">
  ▼<li class="problem-content"> flex
    ▼<article> flex
      <p>From: Adam Dupon</p>
      <p>Category: Hardware</p>
      <p>Urgency: Medium</p>
      <p>Assigned to: Hardware Support Division</p>
    ▼<p>
      "Description: My laptop frequently overheats, causing
      performance issues, unexpected shutdowns, and discomfort when I
      use the device for extended periods."
    </p>
    </article>
    <button class="resolve-btn">Resolved</button>
  </li>
</ul>

```

4. Add to resolved

- When the "**Resolved**" button is clicked, the information from "**pending-list**" unordered list must be transferred to "**resolved-list**" in the **same** HTML structure. For you, this means **removing everything** inside of the **ul** with class = "**pending-list**" and **adding** in "**resolved-list**", the list item with same information and the "**Clear**" button must be **added**.



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

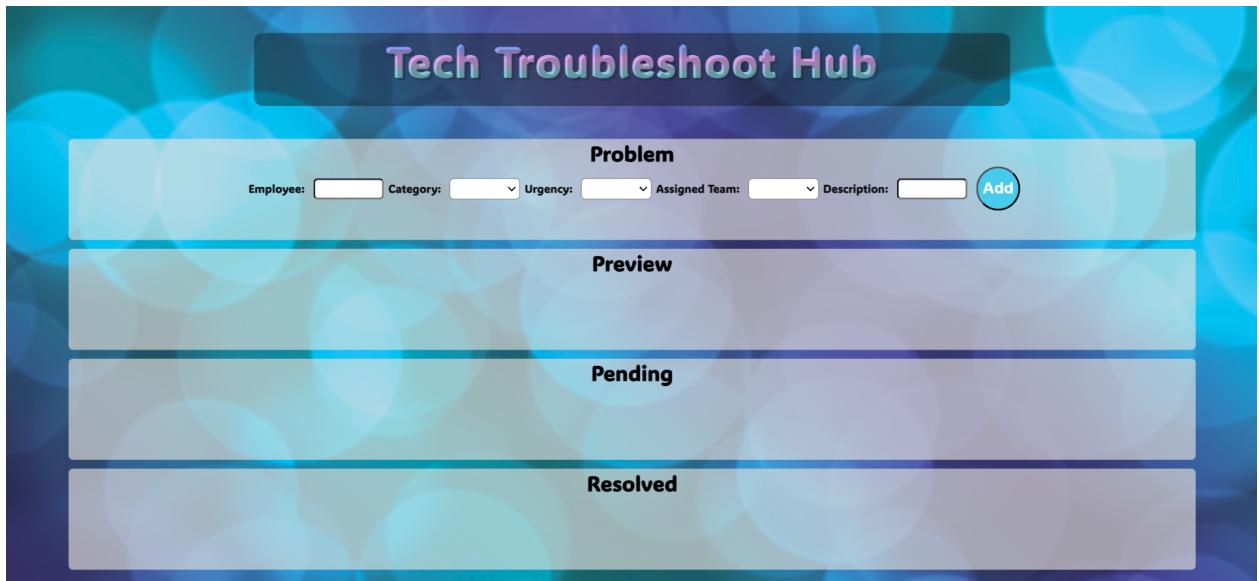
```

▼ <ul class="resolved-list">
  ▼<li class="problem-content"> flex
    ▼<article> flex
      <p>From: Adam Dupon</p>
      <p>Category: Hardware</p>
      <p>Urgency: Medium</p>
      <p>Assigned to: Hardware Support Division</p>
    ▼<p>
      "Description: My laptop frequently overheats, causing performance
      issues, unexpected shutdowns, and discomfort when I use the device for
      extended periods."
    </p>
    </article>
    <button class="clear-btn">Clear</button>
  </li>
</ul>

```

5. Clear information

- When the "Clear" button is clicked, the list item must be removed, from the "resolved-list".
- "Clear" button:



6. Submission

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

GOOD LUCK... ☺