JS Advanced: Regular Exam

Problem 1. SoftDo (DOM Manipulation)

Use the **given skeleton** to solve this problem.

Note: You have **NO permission** to change directly the given HTML *(index.html file).*

Your Task

Write the missing JavaScript code to make the SoftDo application work as expected.

[Ask Question]

When the **textarea** *(Type your question here…)* is filled with some question and the button [**SEND**] is clicked, the current question should be displayed in the [**Pending Questions**] **section.** The input field for the username is **NOT required** - if it is filled, show the **given username** under the question, otherwise, the username is **Anonymous**.

SoftDo

Do it Soft with SoftDo!

[Q&A Section for JavaScript Developers]

What means ... operator ?

Your name (optional)   SEND

Pending Questions	*Open Questions*

SoftDo

Do it Soft with SoftDo!

[Q&A Section for JavaScript Developers]

What means ... operator ?

Your name (optional)   SEND

Pending Questions	*Open Questions*

Anonymous

What means ... operator ?

Archive   Open

SoftDo

Do it Soft with SoftDo!

/Q&A Section for JavaScript Developers/

Can you show us how to use indexOf?

Garry   SEND

Pending Questions	Open Questions

SoftDo

Do it Soft with SoftDo!

/Q&A Section for JavaScript Developers/

Type your question here...

Your name (optional)   SEND

Pending Questions	Open Questions

Garry

Can you show us how to use indexOf?

Archive   Open

Each pending question:

- ● Children elements must be wrapped in a **div** element with class "**pendingQuestion**"
    - ○ First child is **img** which is same for every user (Anonymous or not). The user icon is provided in the skeleton resources (**images folder**). Each **img** should have **src**, **width** and **height attributes**.
    - ○ Second child is a **span** element which holds the **username** (the given one from the input field or the Anonymous one).
    - ○ Third child is a **p element**, which is the given question from the **textarea**.
    - ○ The last (fourth child) is a **div** element with **class** "**actions**" which is a parent element of the two buttons ([**Archive**] and [**Open**])
        - ▪ [**Archive**] button has class "**archive**" and text content "**Archive**"
        - ▪ [**Open**] button has **class** "**open**" and text content "**Open**"
- ● Should be appended to the **div** with id "**pendingQuestions**"

```
▼<section id="outputSection">
  ▼<div id="pendingQuestions">
      <h3>Pending Questions</h3>
    ▼<div class="pendingQuestion">
        <img src="./images/user.png" width="32" height="32">
        <span>Garry</span>
        <p>Can you show us how to use indexOf?</p>
      ▼<div class="actions">
          <button class="archive">Archive</button>
          <button class="open">Open</button>
        </div>
      </div>
    </div>
  ▶<div id="openQuestions">…</div>
  </section>
```

Clicking on the [**Archive**] **button** should **remove** the current question (**div** element).

[Open Question]

If the [**Open**] **button** is clicked, the current question should be **moved (Append)** from the "**pendingQuestions**" section to the "**openQuestions**" section.

[Open a Question *(Moved from the [Pending] to the [Open] section)*]

SoftDo

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!Q&A Section for JavaScript Developers!

What means ... operator ?

Your name (optional)   SEND

Pending Questions	**Open Questions**

Anonymous

What means ... operator ?

Archive   Open

Type your question here...

Your name (optional)   SEND

Pending Questions	**Open Questions**

Anonymous

What means ... operator?

Reply

[Open Question Structure]

Each open question:

- Children elements must be wrapped in a **div element** with class "**openQuestion**"
  - First child is **img** which is same for every user (Anonymous or not). The user icon is provided in the skeleton resources (**images folder**). Each **img** should have **src**, **width** and **height attribute**
  - Second child is a **span element** which holds the **username** (the given one from the input field or the Anonymous one)
  - Third child is a **p element**, which is the given question from the **textarea**
  - Fourth child is a **div element** with **class** "**actions**" which is a parent element of the [**Reply**] **button**
    - [**Reply**] **button** has **class** "**reply**" and text content "**Reply**"
  - The last child here is a **div element** with class "**replySection**" which is a parent element of the **input**, **button** and **ol** elements:
    - **Input element** should have **class** "**replyInput**", **type** "**text**" and **placeholder** "**Reply to this question here...**" <u>Set in that order!</u>
    - **Button** element should have **class** "**replyButton**" and text content "**Send**"
    - The ordered list **(ol element)** should **two** attributes (**class** "**reply**" and **type** "**1**") <u>Set in that order!</u>
- Should be appended to the **div** with id "**openQuestions**"

```
▼<div id="openQuestions">
    <h3>Open Questions</h3>
  ▼<div class="openQuestion">
      <img src="./images/user.png" width="32" height="32">
      <span>Anonymous</span>
      <p>What means ... operator?</p>
    ▼<div class="actions">
        <button class="reply">Reply</button>
      </div>
    ▼<div class="replySection" style="display: none;">
        <input class="replyInput" type="text" placeholder="Reply to this question here...">
        <button class="replyButton">Send</button>
        <ol class="reply" type="1"></ol>
      </div>
    </div>
  </div>
```

Keep in mind when the pending question is moved (appended) to the open questions section, the current question structure should be like the example above (The elements must be created inside the **replySection** but the section should **not be displayed**)

[Reply to the question]

By default, every **div element** with class "**replySection**" has **CSS styles** which are **property display-value none** (`display: none`), but if some of the [**Reply**] **buttons** are clicked, the current **replySection** must be shown (The **display property** must be **changed** to **block** (`display: block`). If the button [**Back**] is clicked again (when the section is displayed), the styles must be changed again to `display:none.`

If the **input field** in the "**replySection**" is filled with some text (answer to the current question) and the [**Send**] button is clicked, the current answer (the input value) must be appended to the ordered list (**ol element**) like text content on list item (**li element**)

SoftDo

Do it Soft with SoftDo!

/Q&A Section for JavaScript Developers/

Type your question here...

Your name (optional)   SEND

Pending Questions   **Open Questions**

Anonymous

What means ... operator?

Back

Reply to this question here...   Send

1. Its a spread operator (turns the given object into array)

```
▼<div id="openQuestions">
   <h3>Open Questions</h3>
  ▼<div class="openQuestion">
    <img src="./images/user.png" width="32" height="32">
    <span>Anonymous</span>
    <p>What means ... operator?</p>
   ▼<div class="actions">
     <button class="reply">Back</button>
    </div>
   ▼<div class="replySection" style="display: block;">
     <input class="replyInput" type="text" placeholder="Reply to this question here...">
     <button class="replyButton">Send</button>
    ▼<ol class="reply" type="1">
       <li>It is a spread operator which turns the given object into array</li>
      </ol>
    </div>
  </div>
</div>
```

GOOD LUCK! 😊