

## Problem 2 – Sprint Planning

### 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()` (use only `appendChild()`)
- `prepend()`
- `replaceWith()`
- `replaceAll()`
- `closest()`
- `replaceChildren()`

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 JavaScript code to plan your next two-week **Sprint**:

Sprint Planning

New Sprint Tasks

Total Points Opts

Title:

Task title...

Description:

Task description...

Label:

Feature

Estimation Points:

Task estimation points...

Assignee:

Task assignee...

Create Task

Delete Task

### Create a Task

- You're provided with a form that contains the following fields: **Title**, **Description**, **Label** (a select field with 3 options), **Estimation Points**, **Assignee**, and **two buttons** – **[Create Task]** and **[Delete Task]**. After the page initialization, the **[Delete Task]** button is **disabled**.
- After the user **successfully fills out all of the fields** and **clicks** on **[Create Task]** button, it should create a new **article** inside the `<section>` with **id "tasks-section"**.
- That **article** has the **following HTML structure** (be careful when you create it and add all of the necessary HTML elements and attributes):

```

▼ <section id="tasks-section"> flex
  <h1>New Sprint Tasks</h1>
  <p id="total-sprint-points">Total Points 13pts</p>
  ▼ <article id="task-1" class="task-card">
    <div class="task-card-label feature">Feature ☐</div>
    <h3 class="task-card-title">Create Subscriptions Page</h3>
    <p class="task-card-description">
      Create subscriptions page for our business</p>
    <div class="task-card-points">Estimated at 13 pts</div>
    <div class="task-card-assignee">Assigned to: Kiril Kirilov</div>
    ▼ <div class="task-card-actions">
      <button>Delete</button> event
    </div>
  </article>
</section>

```

- You have to fill out **ALL of the input fields**, otherwise clicking on the **[Create Task]** button **shouldn't do anything!**
- The `<div>` with class `"task-card-label"` has different **HTML code icons** next to its name depending on whether it is a **feature**, **low priority bug**, or **high priority bug**. Here are the HTML code variations:
  - Feature: `&#8865;`;
  - Low Priority Bug: `&#9737;`;
  - High Priority Bug: `&#9888;`;
- The `label <div>` also has an **additional class** that styles it differently, so be sure to add it:
  - feature: `"feature"`
  - low priority bug: `"low-priority"`
  - high priority bug: `"high-priority"`
- Each task should also have an **id** attached to the `<article>`, which you have to generate in the following format: `"task-1"`, `"task-2"`, `"task-3"` etc. You will need that later!
- Successful creation of a new task should also **clear all of the input fields!**
- An example with all 3 types of tasks:

The screenshot displays a web interface for 'Sprint Planning'. On the left is a form to create a new task, with fields for Title, Description, Label (a dropdown menu), Estimation Points (a numeric input), and Assignee. Below these fields are 'Create Task' and 'Delete Task' buttons. On the right, under the 'New Sprint Tasks' header, is a list of three tasks. Each task card includes the task title, a brief description, estimated points, assignee, and a 'Delete' button. The tasks are: 'Create Subscriptions Page' (labeled as a Feature), 'Mobile Bug' (labeled as a Low Priority Bug), and 'Settings Page Not Opening' (labeled as a High Priority Bug). The total points for the sprint are shown as 21pts.

## Load Confirm Delete

- Clicking on the **[Delete]** button on the **bottom right corner** of a **task** should **load all** of the information of the **current task** in the **form on the left**.
- This action should **enable** the **[Delete Task]** button on the form and also **disable** the **[Create Task]** button
- It should also **make all of the inputs disabled**!
- There is an **<input>** of type **"hidden"** in the form where you should store the **task ID** you generated when you created the task.

The screenshot shows a web interface for 'Sprint Planning'. On the left is a form titled 'Sprint Planning' with fields for Title, Description, Label, Estimation Points, and Assignee. The 'Delete Task' button is disabled. On the right is a list of tasks under the heading 'New Sprint Tasks'. The tasks are: 'Create Subscriptions Page' (13 pts, Kiril Kirilov), 'Mobile Bug' (3 pts, Mariya Valentinova), and 'Settings Page Not Opening' (5 pts, Petar Petrov). Each task has a 'Delete' button. The 'Total Points' is 21pts.

## Delete a Task

- Clicking on the **[Delete Task]** button should remove the element from the DOM.
- Clear out** all of the **fields** and **enable them again** after deleting.
- Enable** the **[Create Task]** button and **disable** the **[Delete Task]** button.

The screenshot shows the same 'Sprint Planning' interface after deleting a task. The 'Total Points' is now 18pts. The 'Delete Task' button is now enabled, and the 'Create Task' button is disabled. The task list now only contains 'Create Subscriptions Page' and 'Settings Page Not Opening'.

## Total Points

- On the **upper right corner** of the page, there is a **total points** paragraph that needs to be **updated**.

- When **creating a new task** add the new **estimation points** to that counter.
- After **successfully deleting a task** from the **form**, **subtract** the estimation points of the deleted task from the total points.

## Submission

Submit only your **solve()** function.