

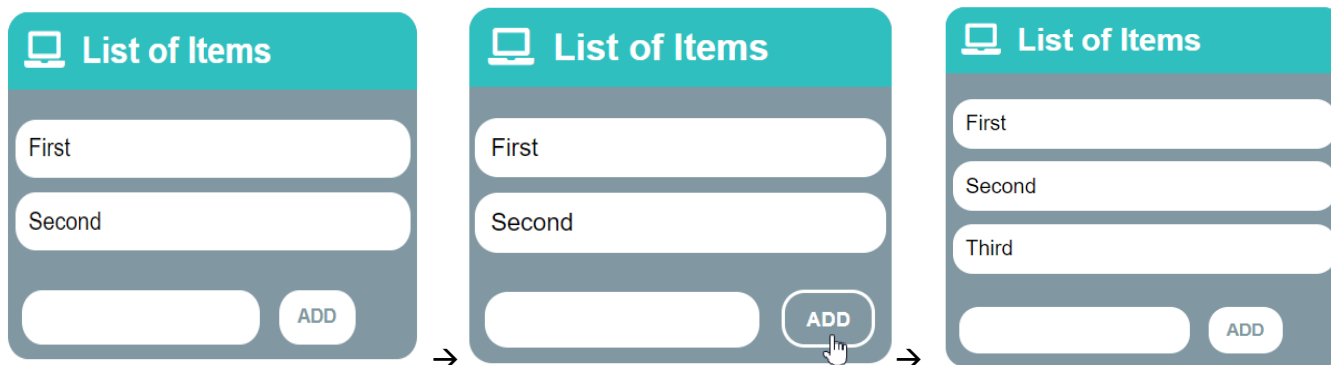
Lab: DOM Manipulations

Problems for in-class lab for the ["JavaScript Advanced" course @ SoftUni](https://judge.softuni.org/Contests/1549/Lab-DOM-Manipulation). Submit your solutions in the SoftUni judge system at <https://judge.softuni.org/Contests/1549/Lab-DOM-Manipulation>.

1. List of Items

Write a function that **read** the text inside an input field and **appends** the specified text to a list inside an HTML page.

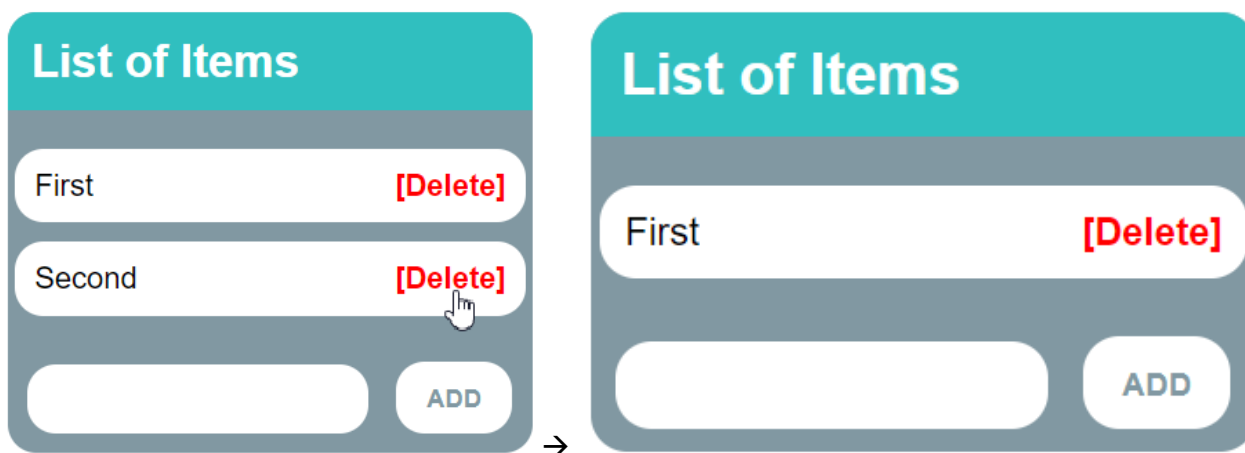
Examples



2. Add / Delete

Extend the previous problem to display a **[Delete]** link after each list item. **Clicking** it, should **delete** the item with no confirmation.

Examples



3. Delete from Table

Write a program that **takes** an **e-mail** from an **input field** and **deletes** the matching row from a table. If no entry is found, an **error** should be displayed in a `<div>` with ID **"results"**. The error should be **"Not found."** Submit **only** the `deleteByEmail()` function in judge.

Input/Output

There will be no input/output, your program should instead **modify** the DOM of the given HTML document.

Examples

Name	Email
Eve	eve@gmail.com
Nick	nick@yahooo.com
Didi	didi@didi.net
Tedy	tedy@tedy.com

Email: DELETE

Name	Email
Nick	nick@yahooo.com
Didi	didi@didi.net
Tedy	tedy@tedy.com

Email: DELETE
Deleted.

4. Stopwatch

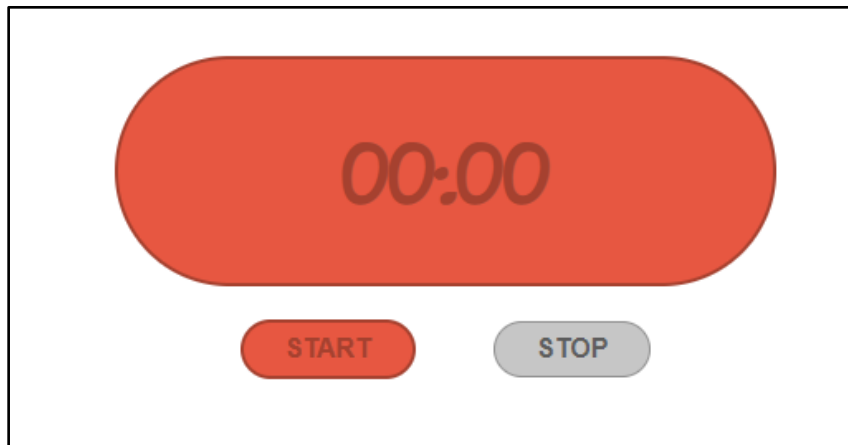
Write a **timer** that counts **minutes** and **seconds**. The user should be able to control it with **buttons**. Clicking **[Start]** **starts** the **counter**. Clicking **[Stop]** **resets** the timer back to **zero**. Only **one** of the buttons should be **enabled** at a time (you cannot stop the timer, if it is not running).

Submit only the **stopwatch()** function in judge.

Input/Output

There will be no input/output, your program should instead **modify** the DOM of the given HTML document.

Examples



5. Mouse Gradient

Write a program that **detects** and **displays** how far along a gradient the user has **moved** their **mouse**. The result should be **rounded down** and displayed as a **percentage** inside the `<div>` with ID `"result"`.

Submit **only** the `attachGradientEvents()` function in judge.

Input/Output

There will be no input/output, your program should instead **modify** the DOM of the given HTML document.

Examples



6. Highlight Active

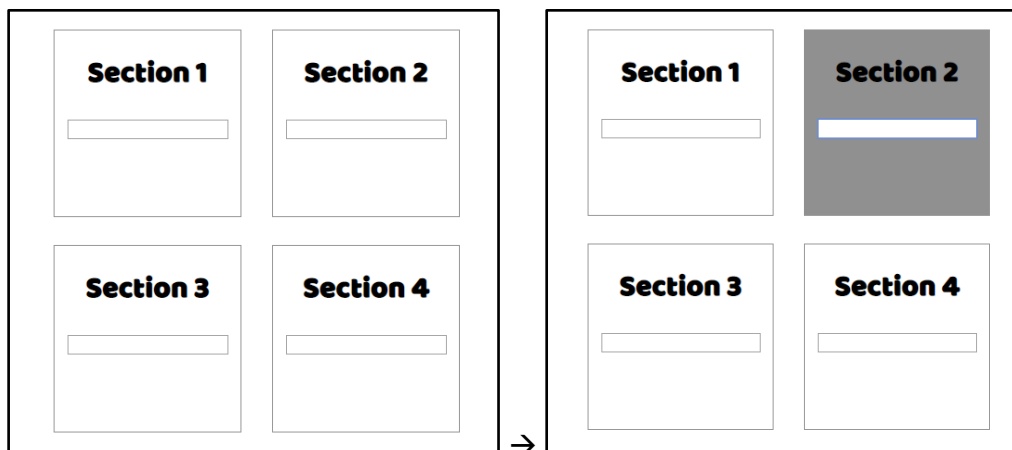
Write a **function** that **highlights** the **currently active** section of a document. There will be **multiple** `div`s with **input fields** inside them. Set the **class** of the `div` that contains the **currently focused** input field to `"focus"`. When focus is lost (**blurred**), **remove the class** from the element.

Submit only the `focus()` function in judge.

Input/Output

There will be no input/output, your program should instead **modify** the DOM of the given HTML document.

Example



7. Dynamic Validation

Write a **function** that **dynamically validates** an **email** input field when it is **changed**. If the input is **invalid**, apply the style "**error**". Do **not** validate on every keystroke, as it is annoying for the user, consider only **change** events.

A valid email is considered to be in the format: **<name>@<domain>.<extension>**

Only **lowercase Latin characters** are allowed for any of the parts of the email. If the input is valid, **clear** the style. Submit **only** the **validate()** function in judge.

Input/Output

There will be no input/output, your program should instead **modify** the DOM of the given HTML document.

Example

