Lab: DOM Manipulations

1. List of Items

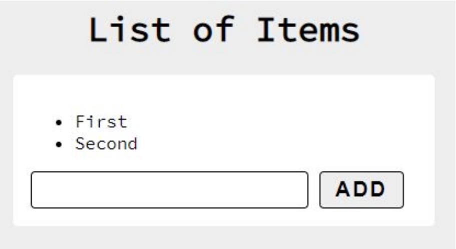
Write a **`function`** that **reads** the **text** inside an input field and **appends** the specified text to a list inside an HTML page.

Submit **only** the **`addItem()`** function.

Input/Output

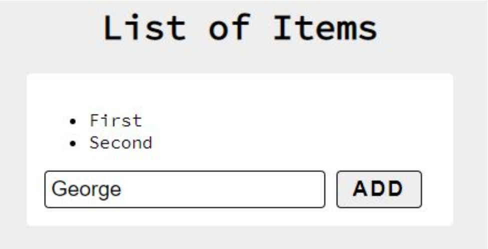
There will be no input/output, your program should instead **modify** the DOM of the given HTML document.

Examples



List of Items

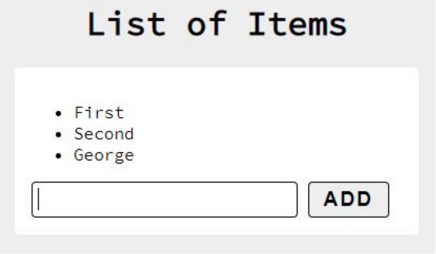
- First
- Second



List of Items

- First
- Second

George



List of Items

- First
- Second
- George

What to submit?

Zip file containing the following:

- app.js
- style.css
- index.html

File Name: LIST-OF-ITEMS.zip

2. Add / Delete

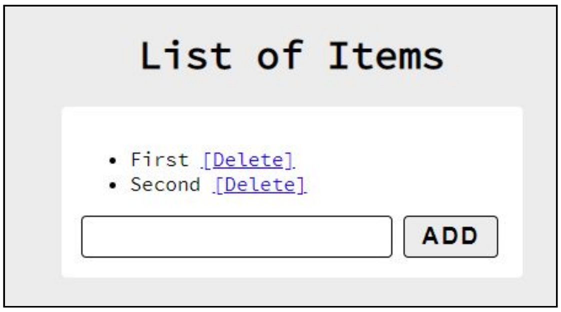
Extend the previous problem to display a **`[Delete]` link** after each list item. **Clicking** it should **delete** the item with no confirmation.

Submit **only** the **`addItem()`** function.

Input/Output

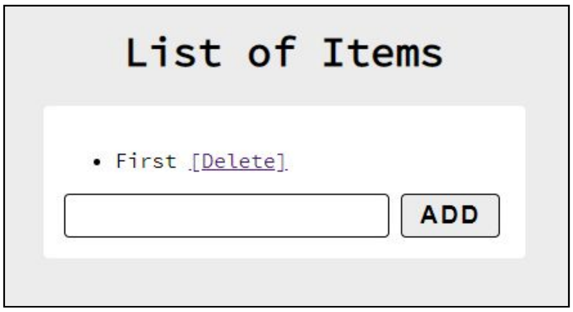
There will be no input/output, your program should instead **modify** the DOM of the given HTML document.

Examples



List of Items

- First [Delete]
- Second [Delete]



List of Items

- First [Delete]

What to submit?

Zip file containing the following:

- app.js
- style.css
- index.html

File Name: ADD-DELETE.zip

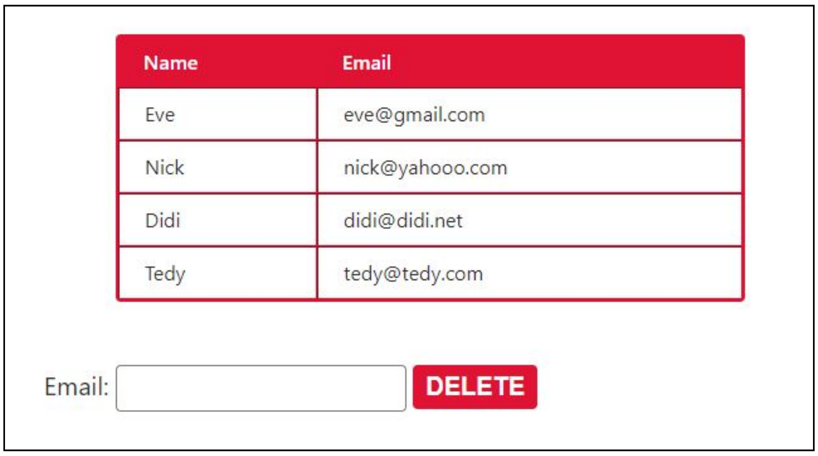
3. Delete from Table

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.

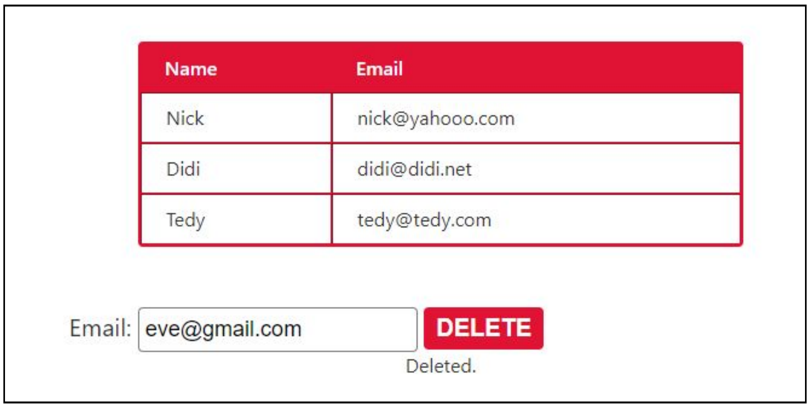
Input/Output

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



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

Email: eve@gmail.com

Deleted.

What to submit?

Zip file containing the following:

- app.js
- style.css
- index.html

File Name: DELETE-FROM-TABLE.zip

4. Stopwatch

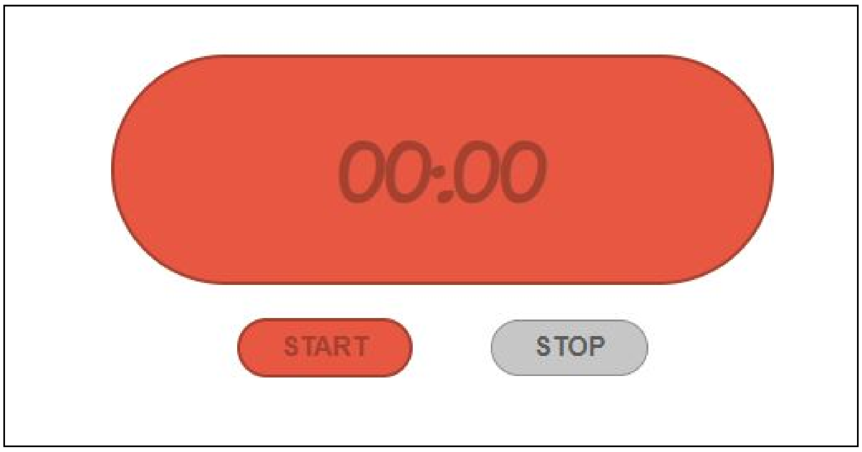
Write a `timer` that counts `minutes` and `seconds`. The user should be able to control it with **buttons**. Clicking **[Start] starts** the **counter.** Clicking **[Stop] resets** the timer back to **zero**. Only **one** of the buttons should be **enabled** at a time (you cannot stop the timer, if it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

Submit only the **`stopwatch()`** function.

Input/Output

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

Examples



What to submit?

Zip file containing the following:

- stopwatch.js
- stopwatch.css
- stopwatch.html

File Name: STOPWATCH.zip

5. Mouse Gradient

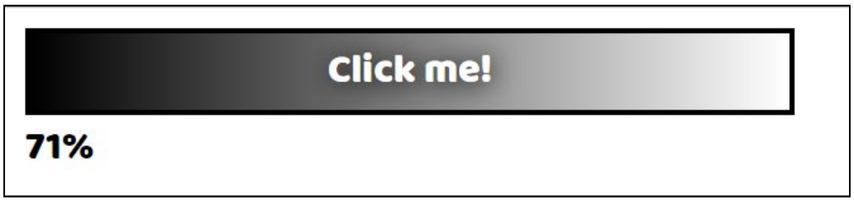
Write a program that **detects** and **displays** how far along a gradient the user has **moved** their **mouse**. The result should be **rounded down** and displayed as a **percentage** inside the **`<div>`** with ID "**`result`**".

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

Input/Output

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

Examples



What to submit?

Zip file containing the following:

- app.js
- style.css
- index.html

File Name: MOUSE-GRADIENT.zip

6. Highlight Active

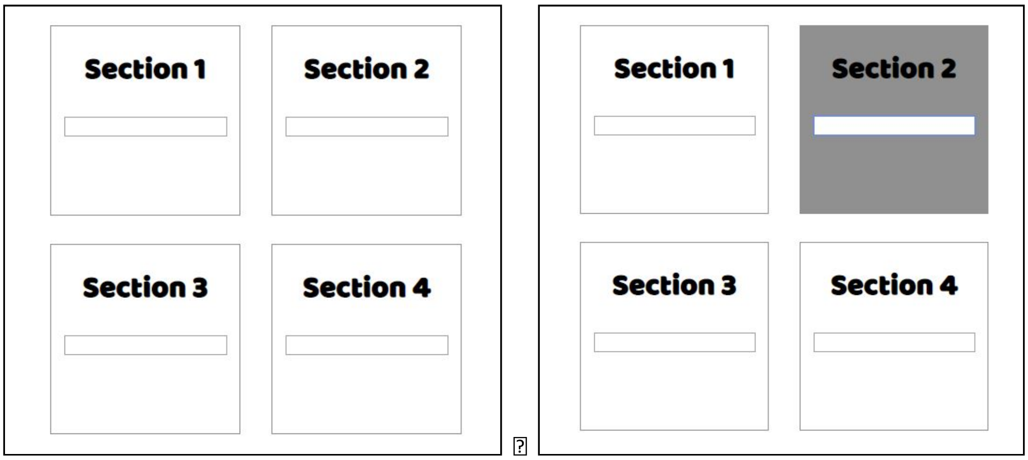
Write a **`function`** that **highlights** the **currently active** section of a document. There will be **multiple** divs with **input fields** inside them. Set the **`class`** of the **`div`** that contains the **currently focused** input field to "**`focus`**". When focus is lost (**blurred**), **remove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

Submit only the **`focus()`** function.

Input/Output

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

Example



What to submit?

Zip file containing the following:

- app.js
- style.css
- index.html

File Name: HIGHLIGHT-ACTIVE.zip

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.

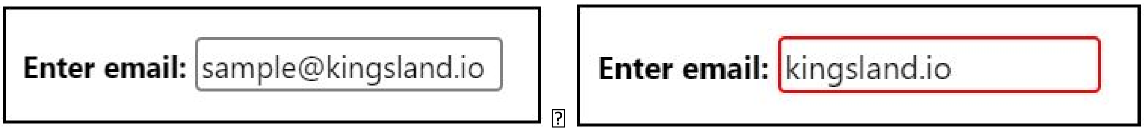
A valid email is considered to be in the format: **`<name>@<domain>.<extension>`**

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.

Input/Output

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

Example



Enter email: sample@kingsland.io

Enter email: kingsland.io

What to submit?

Zip file containing the following:

- app.js
- style.css

- index.html

File Name: DYNAMIC-VALIDATION.zip