EPITECH. TECHNOLOGY

WEB DEV SEMINAR

DAY 02 - HTML/CSS

WEB DEV SEMINAR

Contents

Today's exercises are not independent from each others.
Each exercise reuses the previous one.
They are to be done one after the other.

We advise you to systematically copy/paste the previous exercise before adding the requested features.

All HTML pages must respect the basic HTML structure and have no errors on the W3C Markup Validation Service.

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Delivery: `./task01/index.html`

Write a HTML file named **index.html**.
The title of the page must be “CodingPedia”.

The page must contain **a level 1 title** containing “Welcome to CodingPedia!” followed by **a paragraph**:

```
CodingPedia is a collective encyclopedia project on the Internet aiming to be universal
    and multi-lingual which functions as a wiki.
CodingPedia has for goal to offer freely reusable objective and verifiable content that
    anyone can modify and improve.
```

There must be a newline between the two sentences.

Task 02

Delivery: `./task02/index.html`

Now includes the following structural tags to your page:

- ✓ a **header** that itself contains the previously created level 1 title and a **nav**igation menu containing a **list** of three **links**:
  1. "Index" that redirects to `index.html`,
  2. "PHP" that redirects to `php.html`,
  3. "SQL" that redirects to `sql.html`.
- ✓ a **main** part containing the paragraph describing CodingPedia
- ✓ an **aside** part containing **a paragraph** that briefly introduces yourself
- ✓ a **footer** part that contains an **address** tag with your coordinates: name, first name, address and phone number.

`php.html` and `sql.html` will be created in the next task.

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Task 03

Delivery: `./task03/index.html`, `./task03/php.html`, `./task03/sql.html`

The main structure of the new pages must be the same as `index.html`.

In your **php.html** and **sql.html** pages, create 4 **article**s in the main element:

- ✓ The first article will contain a description of the page's technologies (Copy / paste the first Wikipedia paragraph about PHP and SQL) and must use the **abbr**eviation tag.
- ✓ A second empty article.
- ✓ A third article that contains a **list** of your comments on this technology.
- ✓ A fourth one that contain code examples.

Use the appropriate tags.

On the `php.html` and `sql.html` pages the titles and paragraph about CodingPedia are not needed.

The aside content tag will contain an HTML citation tag:

> Peace is a lie, there is only passion.
> Through passion, I gain strength.
> Through strength, I gain power.
> Through power, I gain victory.
> Through victory, my chains are broken.
> The Force shall free me.
>
> **— Sith Code —**

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Task 04

Delivery: `./task04/index.html`, `./task04/php.html`, `./task04/sql.html`

Get back to the second article of the previous exercise. Insert a new **table**.
Its *caption* will be “Course planning” and it must contain in its header the columns “Subject”, “Description” and “Grade obtained”.

It must contains the following rows:

- ✓ For `php.html`:
  - “PHP 101”, “Introduction to the language and syntax”, “15”
  - “OOP in PHP”, “How to do Object-Oriented Programming in PHP”, “-”
- ✓ For `sql.html`:
  - “SQL 101”, “A quick introduction to the SQL language”, “18”
  - “SQL join”, “Discovery of JOIN to combine rows from multiple tables”, “13”

Task 05

Delivery: `./task05/index.html`, `./task05/php.html`, `./task05/sql.html`

Create a form in a new article of the **index.html** page.

This form will be used to ask questions on the technologies described in other pages.

It must contain the following fields:

- ✓ “Name” - required
- ✓ “First name” - required
- ✓ “Email” - required
- ✓ “Age” - minimum 3, maximum 99 years old
- ✓ “Phone” - 10 characters
- ✓ “Sex” - 1 choice possible out of two **radio** options: “male” (default) and “female”
- ✓ “Hair color” - you will choose the color with the help of a color picker
- ✓ “Date” - today’s date by default, required
- ✓ “Technology” - drop-down list of the technology in question
- ✓ “Question” - required and no size limit: you must use the appropriate element for this kind of field (one that can contain a lot of text)

There must be a submit form button containing the text “Submit”.

Each field must have a label and each label must be associated to its field!

Task 06

Delivery: `./task06/index.html`, `./task06/php.html`, `./task06/sql.html`, `./task06/codingpedia.css`

Create a CSS page named **codingpedia.css**.

Include it in your **index.html** and all the other pages.

Create a CSS class `box` that add a solid black border with a thickness of 2px.

The class should also have:

- ✓ an external margin of 10px;
- ✓ a right and left internal margin of 10px.

Add this class to your `header`, `nav`, `main`, `aside` and `footer` tags.

Task 07

Delivery: `./task07/index.html`, `./task07/php.html`, `./task07/sql.html`, `./task07/codingpedia.css`

The page background color should now be `gray` except for our `box` elements, which must be white.

Now we're going to change the layout of the page using CSS only.

Align the `main` and `aside` part of the page horizontally using flexbox.

The main part should take 80% of the space.

Using **grid**, separate the title from the navigation menu in the header with a ratio of 5 to 1.

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Task 08

Delivery: `./task08/index.html`, `./task08/php.html`, `./task08/sql.html`, `./task08/codingpedia.css`

In the **index.html** page, integrate a “div” element that has a class `moving_square`.

This element will represent a red, 100x100px square.

You must now have the square move.

First, the square must move 300 pixels to the bottom and take on a green color.

Then, the square will move 300 pixels to the right and take on a blue color.

Then, the square will move up 300 pixels and take on a yellow color.

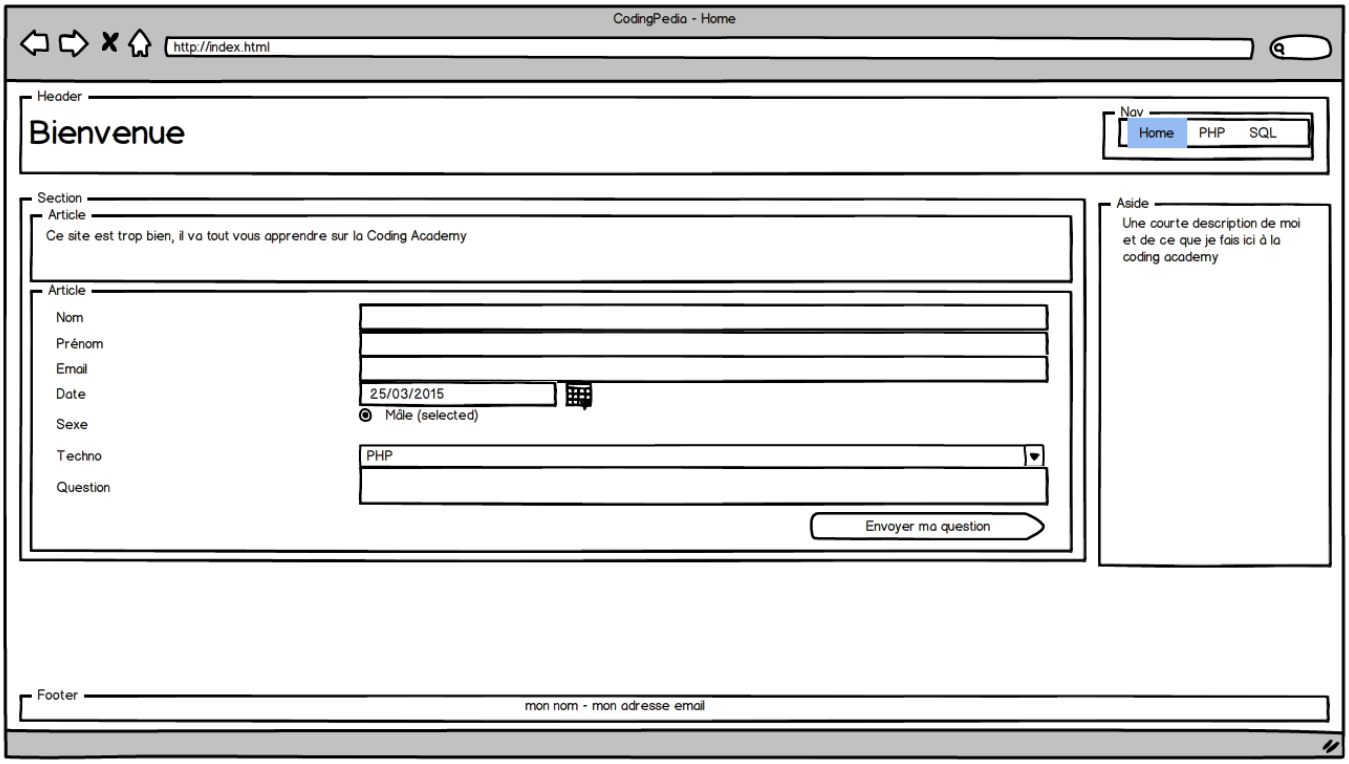
Finally, the square returns to its starting position and its color goes back to red.

This movement must be performed 5 times before stopping.
Each cycle must last 5 seconds.

Task 09 - BONUS

Delivery: `./task09/index.html`, `./task09/php.html`, `./task09/sql.html`, `./task09/codingpedia.css`

Reproduce the following element layout without modifying your HTML page structure.



You can add `div`s but nothing else.

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