T – Web Development Seminar

T-WEB-x00

Day 04

HTML/CSS

{EPITECH.}

Day 04

repository name: web_seminar_day04_$ACADEMICYEAR
repository rights: ramassage-tek
language: HTML/CSS

- Your repository must contain the totality of your source files, but no useless files (binary, temp files, obj files,...).

- All the bonus files (including a potential specific Makefile) should be in a directory named *bonus*.

In the present subject, we will address the responsive design, thought mobile first.

Now you knwo how to build an HTML page, let's see how to make it pretty and fit all screens such as desktop, tablet and smartphone.

+ RESPONSIVE DESIGN

It is an approach used to develop sites that offer an optimal reading and browsing experience to the user, regardless of their devices: mobile phones, tablets, readers, desktop, printers, televisions, etc.

Traditionally, a web project that adopts a responsive design strategy will tend to think of the fixed version of the site as a starting point, and it will then be necessary to *reduce* this version as the size of the consultation materials decreases, according to a predefined grid.
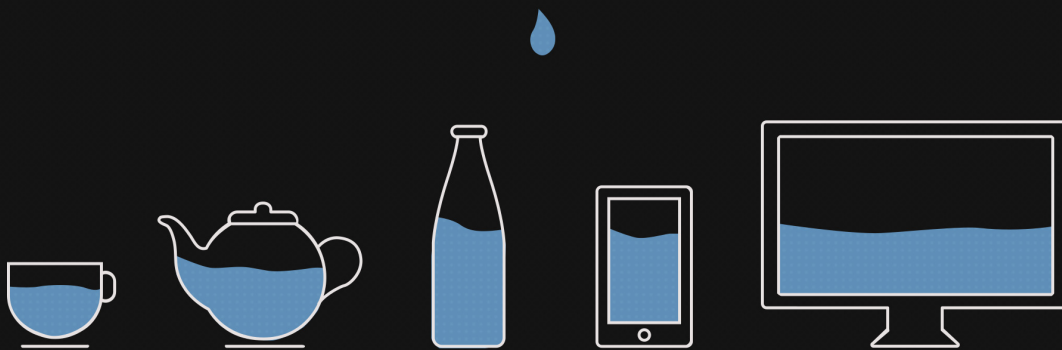
This seems logical, since it feels like the majority of the web traffic comes from fixed supports when it actually comes from mobile devices and most particularly smatphones.

However, if you take the contents of a bottle of water and pour it all into a glass of water…

It's overflowing!

CONTENT IS LIKE WATER

"You put water into a cup it becomes the cup.
You put water into a bottle it becomes the bottle.
You put it in a teapot, it becomes the teapot."

Josh Clark *(originally Bruce Lee)* - Seven deadly mobile myths

Illustration by Stéphanie Walter

+ Mobile first

Another way of doing things has beeing talked about: the **mobile first** approach.

As the name suggests, this approach consists to think about navigation, ergonomics and site content for the smallest consultation materialsfirst, and then upscaling them.

This is called **progressive enhancement** vs **graceful degradation**.

If this approach begins to have some success, it is because it has some undeniable advantages that do not only concern mobile versions of sites.

EXERCISE 01   1PT

Turn in: ./ex_01/index.html, ./ex_01/style.css

Create an **index.html** page and link it to a **style.css** file.
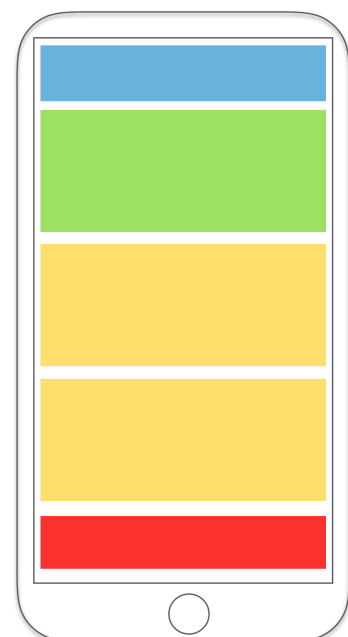Structure your HTML with a header with a nav, a section, a second section with six articles and a footer.

EXERCISE 02 – SMARTPHONE   3PTS

Turn in: ./ex_03/index.html, ./ex_03/style.css

Reproduce this layout for a device with a maximum resolution width of 767px.

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Exercise 04 – Tablet

4PTS

Turn in: ./ex_04/index.html, ./ex_04/style.css

Reproduce this layout for a device with a resolution width between 768px and 1024px.
As you can see, two new articles appeared in the second section.
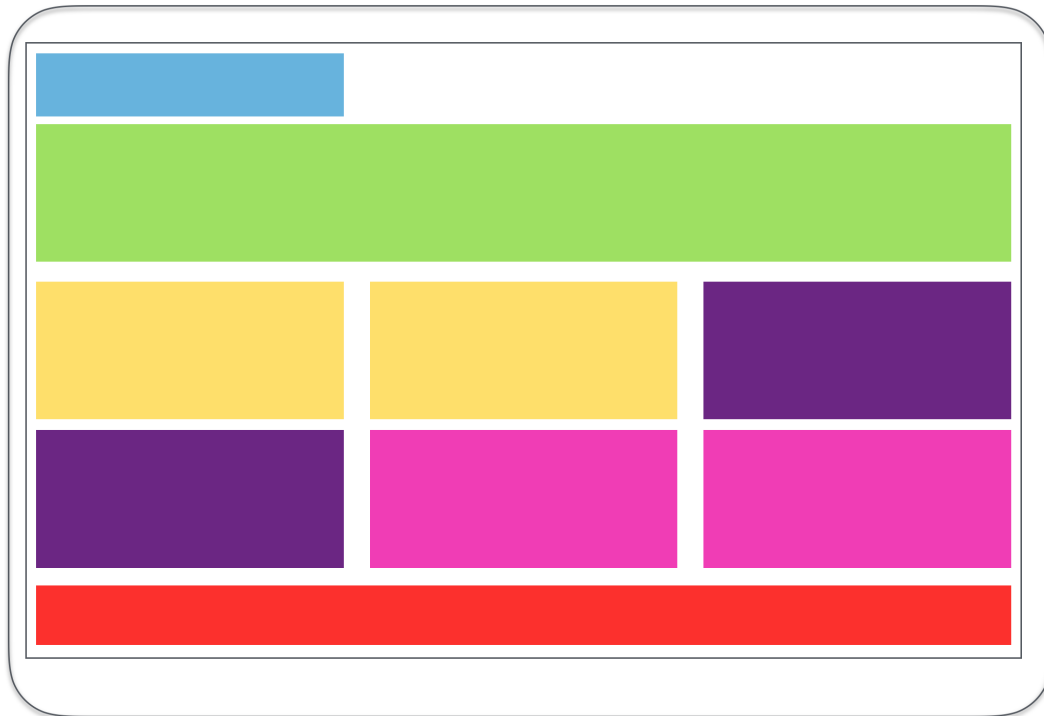
Exercise 05 – Desktop

<div align="right">

4PTS

</div>

Turn in: ./ex_05/index.html, ./ex_05/style.css

Reproduce this layout for a device with a minimum resolution width of 1024px.
Again, you can see that two new articles appeared in the second section.

Exercice 06

Turn in: ./ex_06/index.html

> For the next exercises, you must not create CSS rules: use only **Materialize** features.
> The HTML Style attribute is forbidden.

Titles must be correctly implemented:
- LASTNAME FIRSTNAME
- Heading
- About me
- Story
- Profil
- Skills
- Portfolio
- Last projects
- Contact

+ Step 01   2pts

Create an HTML page **index.html** and put the **jQuery** and **Materialize**'s CDNs inside.
Apply a light grey background color to the page.

Add a div as wide as the page, with a color of your choice as background.

Create 2 titles:

- one that contains your name in white,
- one that contains your profile heading in grey with a white background.

+ Step 02   2pts

Create a container div that contains a row with "About me" as a title.

In this row, put a first div which must be:
- 12 columns large for a small sized screen
- 4 columns large for a medium to large screen

Add to it a "Story" title, and a quick explanation about your professional background.

+ Step 03   2PTS

Inside the "About me" row, make a div of the same size as the "Story" one, with a title "Profil".
It's background color will be the color you chose before.

Now make a card which inner text must be white, with a responsive round profil picture next to it.

Add a div `card-action` after the card you just made, which contains links to your **Github** and **Linkedin** profiles.

+ Step 04   2PTS

Finally, the last div in the "About me" row will be titled "Skills" and must have the same size as the 2 previous divs.

Inside it, create a table with a grey row every 2 rows.
This table must contain the languages, frameworks you know with a small comment for each one.

+ Step 05   2PTS

Create new rows, with "Portfolio" and "Last projects" as titles.

It must contain 3 pictures each.

+ Step 06   2PTS

Create a row titled "Contact".

Make a new row inside it, which contains a full column sized form.
In that form, make a first row, with 2 inputs: "Lastname" and "Firstname".
Each one must be half the row size.

Make a second row containing a full column sized email input.
The last row will contain a full column sized text area, with a "Your message" placeholder.

> Titles and buttons must be centered.

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