



# T5 - Web Development Seminar

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T-WEB-500

## Day 05

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HTML/CSS





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

Now you know 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

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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 smartphones.

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

# It's overflowing!



## MOBILE FIRST

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Another way of doing things has been 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 materials first, 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.



You must use **Flexbox** and the `viewport` **meta tag** for these exercises.



You'll need to find the browser option (or a plug-in) that allows you to change the view-port.

## 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:

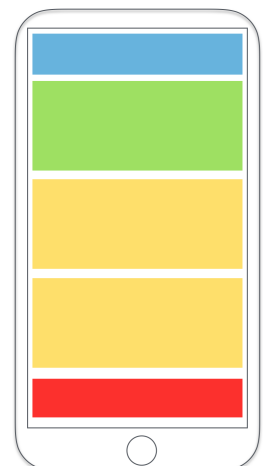
- a header with a nav,
- a first section,
- a second section with six articles,
- a footer.

## EXERCISE 02 – SMARTPHONE

3PTS

Turn in: `./ex_02/index.html`, `./ex_02/style.css`

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



## EXERCISE 03 – TABLET

4PTS

Turn in: ./ex\_03/index.html, ./ex\_03/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.

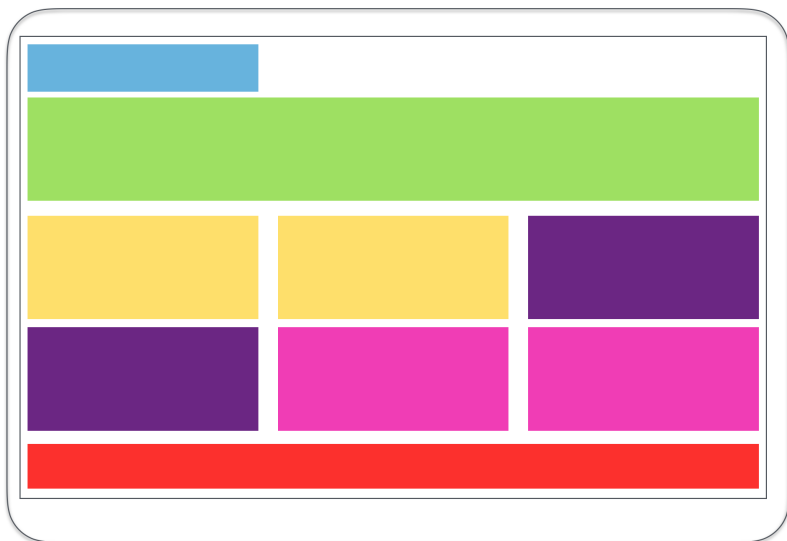


## EXERCISE 04 – DESKTOP

4PTS

Turn in: ./ex\_04/index.html, ./ex\_04/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 05

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Turn in: ./ex\_05/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 “Profil” as title.  
It's background color is the one 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.