

 UNIVERSITÉ DE BORDEAUX	Licence Parcours International <i>Web design & Data management</i> Practicals	TP Javascript
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NB : Start by downloading the images from the archive. This archive contains the images for the following exercises.

Exercise 1 : Events in Javascript

The goal of this exercise is to use Javascript by handling events in the webpage :

- Change the image when the user moves his mouse over it.
- Change the text when the text is clicked.

Exercise 1



Initial text without italic and red

HTML/CSS

When the page is loaded, the displayed image is 1.jpg and the text is normal (no font decoration).

Question 1 : Include the Javascript file in the HTML.

Javascript

Question 2 : Create a function `setupListeners`. This function will contain the event listeners for each element, through `addEventListener`.

Question 3 : When the text is clicked :

1. replace its content by "New text in italic and red"
2. Format the new content such that it appears in red and italic

Question 4 : When the mouse pointer is over the image, change it to the image 2.jpg. The event type to capture is `mouseover`.

Question 5 : When the mouse pointer is outside of the image, the initial image must be restored (1.jpg). The event type to capture is `mouseout`.

Exercise 2 : Image carousel

The goal of this exercise is to create an image carousel, that is to say an image sliding according to two events :

1. click on previous or next buttons
2. after 2 seconds have elapsed

Carousel



HTML/CSS

Question 1 : The initial image is 1.jpg from the directory `imgCarrousel`. Give an identifier to this image.

Question 2 : Include the Javascript file in the HTML.

Javascript

Question 3 : Define the `setupListeners` function, which will contain all the event listeners.

Question 4 : Store the path to the images 1.jpg, 2.jpg et 3.jpg into an array.

Question 5 : When the buttons are clicked, change the images by using the previously-defined array.

Question 6 : Make the images slide automatically after 2 seconds of inactivity, thanks to the function `setInterval`. Use the online documentation to learn how to use this function.