

 UNIVERSITÉ DE BORDEAUX	Licence Parcours International <i>Web design &amp; Data management</i> <b>Practicals</b>	<b>TP</b> <b>Javascript</b>
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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

**Question 1 :** Create a webpage (HTML+CSS) which resembles the design above (see Figure ??). When the page is loaded, the displayed image is 1.jpg and the text is normal (no font decoration).

## 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 :** Create a webpage (HTML+CSS) that contains two buttons : “previous” and “next”.

**Question 2 :** Add an image tag in between the buttons. The initial image is 1.jpg from the directory `imgCarousel`. Give an identifier to this image.

**Question 3 :** Create a CSS file such that the display resembles that of Figure ??.

## Javascript

**Question 4 :** Define the `setupListeners` function, which will contain all the event listeners.

**Question 5 :** Store the path to the images 1.jpg, 2.jpg et 3.jpg into an array.

**Question 6 :** When the buttons are clicked, change the images by using the previously-defined array.

**Question 7 :** 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.