

## TAW - LAB02 part 1

### JavaScript

-The answers should come in a HTML file with the name js<number of question>.html, except when marked differently.

Use **plain javascript** (without libraries)

1 – You have the code for a div and a button:

```
<input type="button" value="click">Click</input>  
<div id="div1">Text Example</div>
```

- a) When you click on the button, hide the div, (js1a.html)
- b) When you click on the button, hide and show the div alternately. (Js1b.html file)

2 - You have the code for div and a button:

```
<input type="button" value="click">Click</input>  
<div id="div1">Text Example</div>
```

- a) When you click on the button, write in div the text "change", (plain javascript). (js2a.html)
- b) When you click on the button, write in div: if the text of the div is "change", change it back to "text example", and the opposite (if the text is "text example" change it to "change" (Js2b.html file)

3- You have the code for a div and a button:

```
<input type="button" value="click">Click</input>  
<div id="div1">Text Example</div>
```

- a) When you click on the button, change the background color to yellow, and text to orange (plain javascript). (js file3a.html)
- b) When you click on the button, change the border of the div to 1px solid black, div text to "clicked", and textsize to 30px (Js3b.html file)

4-Use page load event to write “finish loading” on the page (after loading)

5- Elaborate a clock with javascript in text only, using the format HH:mm:ss, in a div and in an input box. There will be 2 clocks.

To begin, use the following code, and then use setTimeout/setInterval

```
<div id=" clock1">relogio div</div>
<input type="text" id="clock2">

<script>
function clock(){
  var d=new Date();
  var t=d.toLocaleTimeString();

  document.getElementById("clock1").innerHTML=t;
  document.getElementById("clock2").value=t;
}
</script>
```

6-validate a form with the following fields:

- Name
- Email (Validates email)
- Password
- Age (more than 12)

Rules for validation:

- all required
- email contains “@” and .
- password > 7
- age (number more that 12)

The form will have a submit button.

All fields are required, and must show the error if not filled, when the submit button is pressed.