

# **IIC2513 - TECNOLOGÍAS Y APLICACIONES WEB**

**I-2016**



# JAVASCRIPT





**data-api**

**JSON**

**jQuery**

**AJAX**



# data-api

- \* atributos data-\* “arbitrarios”:
  - \* data-color="#fff"
  - \* data-field-description="..."
- \* HTMLElement.dataset.camelCasedName:
  - \* data-field-name => .dataset.fieldName
  - \* data-user-alias-label => .dataset.userAliasLabel



# JSON

JavaScript Object Notation



# JSON

```
{
  "name": "Homer",
  "initial": "J",
  "lastname": "Simpson",
  "birthday": {
    "year": 1956,
    "month": "may",
    "day": 12
  },
  "awards": [
    "First Annual Montgomery Burns Awards for Outstanding Achievement in the Field of Excellence",
    "Employee of the Month",
    "Sir Drinks A Lot"
  ],
  "Jobs": [
    'Teacher',
    'Astronaut',
    'Singer',
    {
      "name": "Other",
      "times": 15
    }
  ]
}
```



# jQuery

- \* función jQuery()
  - \* Recibe múltiples parámetros y retorna un objeto jQuery
  - \* Un objeto jQuery es siempre una colección (de tamaño 0 o superior)
  - \* Nombre común (alias): \$



# jQuery

```
jQuery(function(){  
    // on document load  
});  
  
$(function(){  
    // on document load  
});
```



# jQuery

```
$(function(){  
  
    $('form').on('submit', function(ev){  
        var $nameField = $('#user');  
        if (! $nameField.val() ) {  
            $nameField.addClass('error');  
            $nameField.after("<div class='error'>Falta el usuario</div>");  
            ev.preventDefault();  
        } else {  
            $nameField.removeClass('error');  
            $nameField.next('div.error').remove();  
        }  
    });  
  
});
```



# AJAX

- \* Asynchronous JavaScript and XML
- \* JSON o XML para transferencia de datos
- \* Clase XMLHttpRequest para la comunicación asíncrona
- \* Seguridad: same-origin policy



# AJAX

```
// This is the client-side script.

// Initialize the Http request.
var xhr = new XMLHttpRequest();
xhr.open('get', 'send-ajax-data.php');

// Track the state changes of the request.
xhr.onreadystatechange = function () {
    var DONE = 4; // readyState 4 means the request is done.
    var OK = 200; // status 200 is a successful return.
    if (xhr.readyState === DONE) {
        if (xhr.status === OK) {
            alert(xhr.responseText); // 'This is the returned text.'
        } else {
            alert('Error: ' + xhr.status); // An error occurred during the request.
        }
    }
};

// Send the request to send-ajax-data.php
xhr.send(null);
```

Fuente: [https://en.wikipedia.org/wiki/Ajax\\_\(programming\)#Example](https://en.wikipedia.org/wiki/Ajax_(programming)#Example)



# TRABAJO PRÁCTICO





**\*Intención, no determina un compromiso**



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