

Capacitación AngularJS

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Un poco de historia... (Parte 1)

• ECMAScript 1 (June 1997)

First edition

• ECMAScript 2 (August 1998)

 Editorial changes to align ECMA-262 with the standard ISO/IEC 16262

ECMAScript 3 (December 1999)

 do-while, regular expressions, new string methods (concat, match, replace, slice, split with a regular expression, etc.), exception handling, and more

• ECMAScript 4 (abandoned July 2008)

 Fourth Edition was abandoned, due to political differences concerning language complexity. Many features proposed for the Fourth Edition have been completely dropped; some are proposed for ECMAScript Harmony.

Paralelamente:

1996 - the iframe tag was introduced by Internet Explorer to load or to fetch content asynchronously.

1998 - Microsoft Outlook Web App team implemented the first component XMLHTTP by client script.

1999 - Microsoft used its iframe technology to dynamically update the news stories and stock quotes on the default page for Internet Explorer.

February 2005 - The term "Ajax" was publicly stated

April 2006 - the World Wide Web Consortium (W3C) released the first draft specification for the XMLHttpRequest object in an attempt to create an official Web standard.

February 2005 - Prototype js Initial release As of 2015, Prototype is used by 2.3% of all websites

August 2006 - jQuery Initial release

Un poco de historia... (Parte 2)

• ECMAScript 5 (December 2009)

 Adds a strict mode, getters and setters, new array methods, support for JSON, and more

ECMAScript 5.1 (June 2011)

 Editorial changes to align ECMA-262 with the third edition of the international standard ISO/IEC 16262:2011

ECMAScript 6 (June 2015)

The Sixth Edition adds significant new syntax for writing complex applications, including classes and modules, but defines them semantically in the same terms as ECMAScript 5 strict mode. Other new features include iterators and for/of loops, Python-style generators and generator expressions, arrow functions, binary data, collections (maps, sets and weak maps), and proxies (metaprogramming for virtual objects and wrappers)

ECMAScript 7 (Currently in development)

Paralelamente:

2009 - Angularis Initial release

October 2010 - Backbone JS Initial release

December 2011 - Ember JS Initial release

2014 - HTML5 Initial release

2008 – First Public Working Draft

2011 - Last Call

2012 - Candidate Recommendation

2014 - Proposed Recommendation and Recommendation

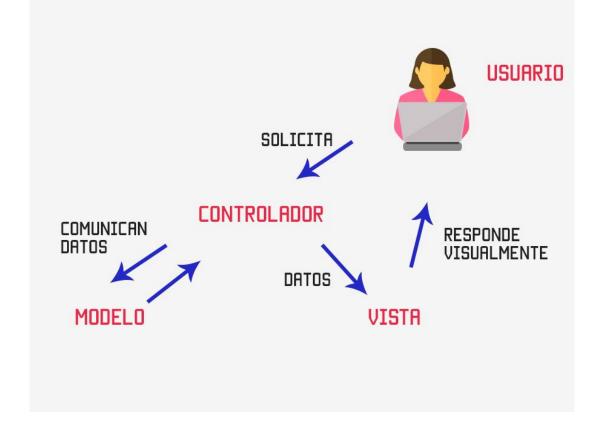
Javascript

JQuery Ajax Animaciones DOM

Bindings Frameworks MVC



MVC



"Angular is made for apps"

JS

HTML

Controllers

Responden a request de una ruta particular

Controllers

Los controllers son los encargados de inicializar y modificar la información que contienen los scopes en función de las necesidades de la aplicación.

También podemos declarar funciones en el scope que se podrán utilizar más tarde o ser llamadas desde la vista.

Rutas

- Responden a una url
- Derivan el tráfico a los controllers

```
// ...
$routeProvider
    .when('/', {
        templateUrl : 'pages/home.html',
        controller : 'mainController'
    })
```

Models

Contienen los datos de la aplicación

Data binding

Sincronización modelo-vista

- Bidireccional:
 - o cambia la vista, actualiza el modelo
 - o cambia el modelo, actualiza la vista

Views

Fragmentos html con TAGS angular para mostrar datos

Views

Index.html

```
<html>
<head>
// jquery, angular y demas
dependencias
// include script "app.js"
</head>
<body>

</body>

<div ng-view></div>
</html>
```

/pages/home.html

Módulos

Contenedor de partes de la aplicación

¿Por que módulos?

- No existe un main donde declarar todo
- Permite trabajar con inyección de dependencias

```
/* Archivo app.js */
angular.module('nombre_del_modulo',
['ngRoute','otro_modulo_interno','otro_modulo_externo']);
// Crea el modulo
angular.module('nombre_del_modulo');
// Referencia al modulo
```

Directivas

¿Qué son las directivas?

- Permite extender la sintaxis html:
 - ng-repeat
 - o ng-show

```
angular.module('directiveExample', [])
.directive('hello', function() {
    return {
        restrict: 'E',
        template: '<button>Hello Button</button>',
        replace: true,
        compile: function(element) {
            element.bind('click', function() {
                alert('Hello AngularJS!');
            });
        }
    }
});
```

REST

Magento + AngularJS

- Tiempos de carga más rápidos
- Funcionalidad Offline
- Gestos touch reales
- Multi plataforma y dispositivo
- Sensación de app nativa

http://couchdemoshop.couchcommerce.com/

Herramientas







