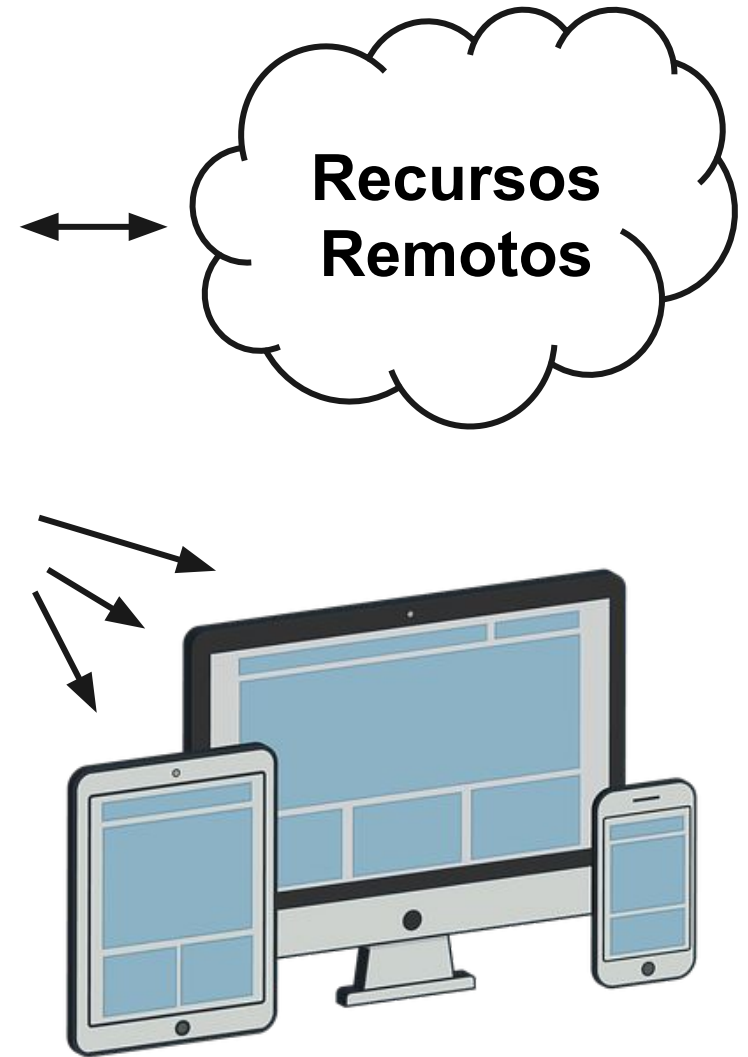


# Construcción de Interfaces de Usuario

**>>> Cliente Web <<<**



**Lo que queremos: Aplicaciones Ricas en todos lados**

# Request

```
GET /people/search.html HTTP/1.1  
Host: www.example.com
```

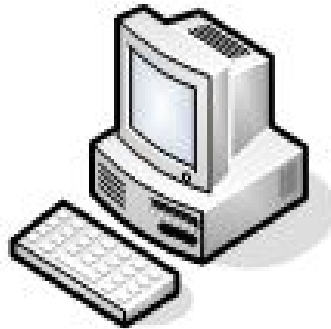
# Response

```
HTTP/1.1 200 OK  
Content-Type: text/html  
...  
<!DOCTYPE html>  
<html>  
...  
</html>
```

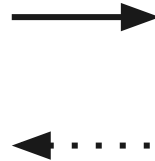
Lo que tenemos: Web Browsers y HTTP(S)

**Ejemplo: GET**  
`http://api.github.com/users/uqbar-project/`

**Cliente**



**Servidor**



**Puertos estandar:**

80      HTTP  
443     HTTPS  
...

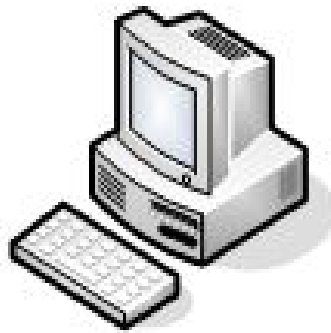
**Métodos:**

GET  
PUT  
DELETE  
...

**Recursos:**

`/users/uqbar-project/`  
...

## Cliente / Servidor



GET

<http://localhost:9000/...>



9000

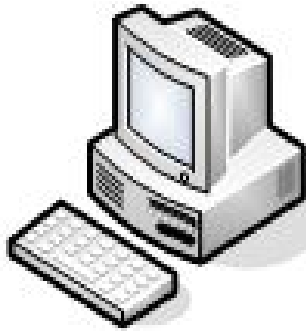
Rest API



TP2.2



HTML+CSS+JS  
Angular.js  
Twitter Bootstrap



GET `http://localhost:9000/...`




9000 Rest API



TP2.1



# Agenda AngularJS

<input type="text" value="Nombre o Apellido"/>					
Nombre	Apellido	Tel	Email	Dirección	
Juan	Perez	321472352	juan@gmail.com	Corrientes 1234, 3B	
Pablo	Alvarez	666	juan@gmail.com	Corrientes 1234, 3B	
Maria	Rodriguez	47584777	juan@gmail.com	Corrientes 1234, 3B	
Andrea	Garcia	888890	juan@gmail.com	Corrientes 1234, 3B	

Objetivo de hoy

# HTML: Qué Mostrar

HyperText  
Markup  
Language

Algunas referencias (pueden buscar otras):

<https://developer.mozilla.org/es/docs/Web/HTML>

[http://www.w3schools.com/html/html\\_intro.asp](http://www.w3schools.com/html/html_intro.asp)



```
<!DOCTYPE html>
<html>
<head>
  <title>This is the title</title>
</head>
<body>
  <h1>This is a heading</h1>
  <p>This is a paragraph.</p>
  <p>This is another paragraph.</p>
</body>
</html>
```



## HTML: Ejemplo Básico

# CSS: Cómo Mostrar

## Cascading Style Sheets

Algunas referencias:

<https://developer.mozilla.org/es/docs/Web/CSS>

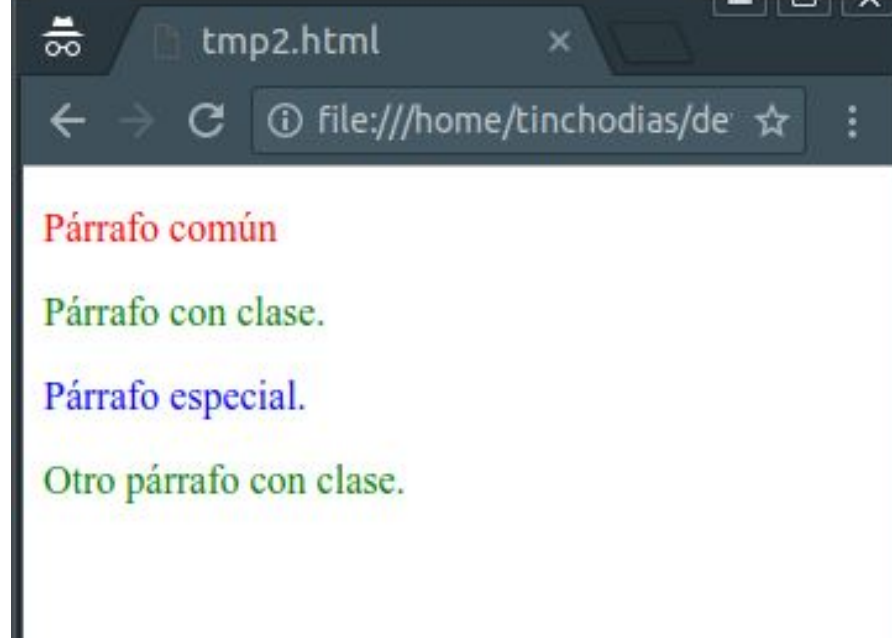
[http://www.w3schools.com/html/html\\_css.asp](http://www.w3schools.com/html/html_css.asp)

```
<!DOCTYPE html>
<html>

<head>
  <style>
    p          { color: red }
    #bart      { color: blue }
    .simpson   { color: green }
  </style>
</head>

<body>
  <p>Párrafo común</p>
  <p class="simpson">Párrafo con clase.</p>
  <p id="bart">Párrafo especial.</p>
  <p class="simpson">Otro párrafo con clase.</p>
</body>

</html>
```



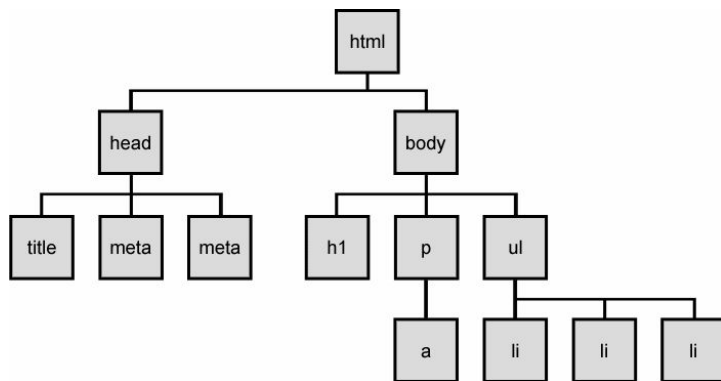
## CSS Básico

# JavaScript

Algunas referencias al lenguaje:

<https://developer.mozilla.org/es/docs/Web/JavaScript>

[http://www.w3schools.com/html/html\\_scripts.asp](http://www.w3schools.com/html/html_scripts.asp)



## DOM

Una referencia al DOM:

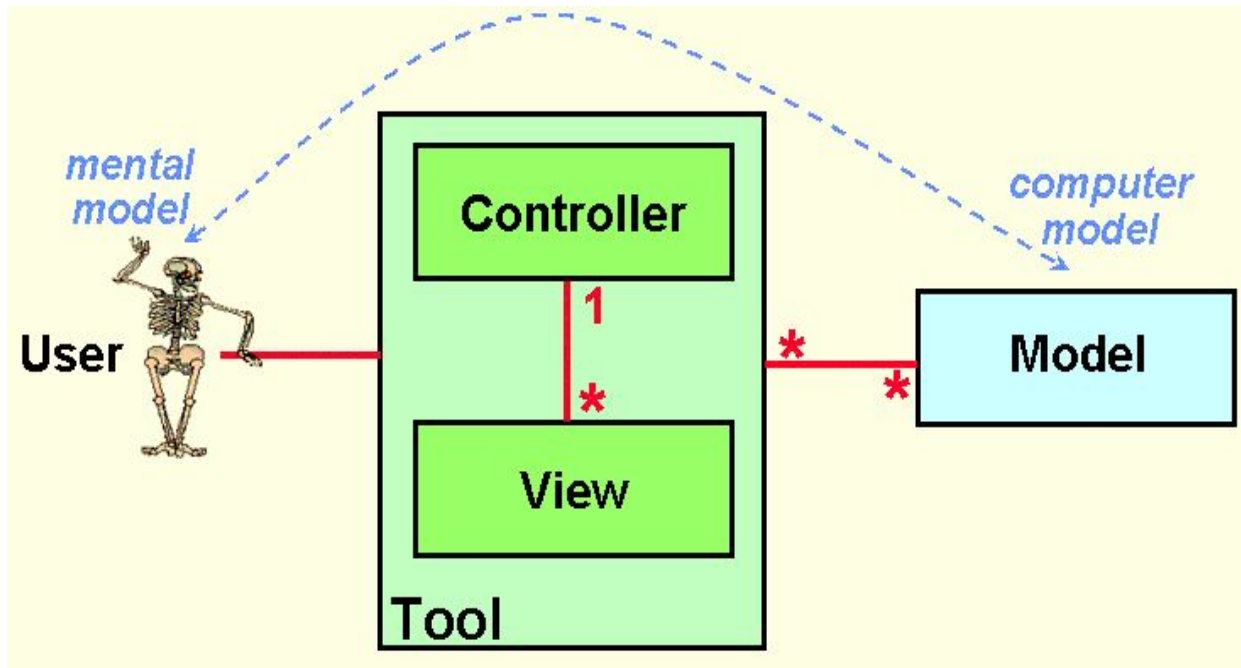
[https://developer.mozilla.org/es/docs/Referencia\\_DOM\\_de\\_Gecko/Introducci%C3%B3n](https://developer.mozilla.org/es/docs/Referencia_DOM_de_Gecko/Introducci%C3%B3n)

# Demos



<https://github.com/uqbar-project/eg-pre-agenda-angular/>

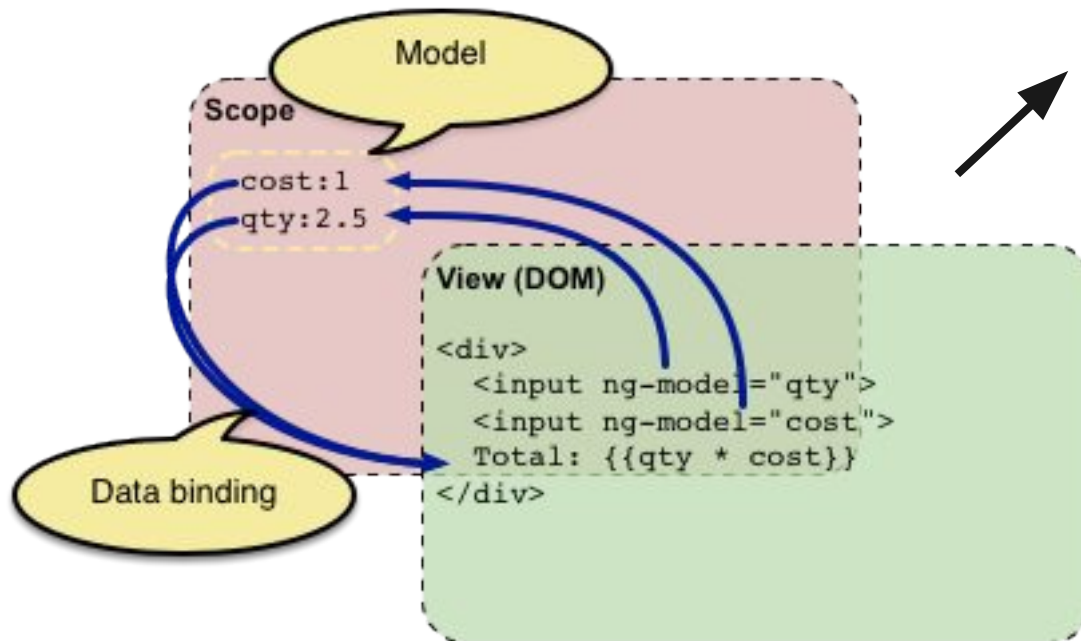
# PATRÓN MVC by Trygve Reenskaug



# AngularJS



- MVC
- Two-way Data Binding



**Invoice:**  
Quantity:   
Costs:   
**Total: \$10.00**

# Demo



Conversor:

<https://github.com/uqbar-project/eg-conversor-angular/tree/step-2>

Agenda:

<https://github.com/uqbar-project/eg-pre-agenda-angular/tree/master/07-angularjs-agenda>

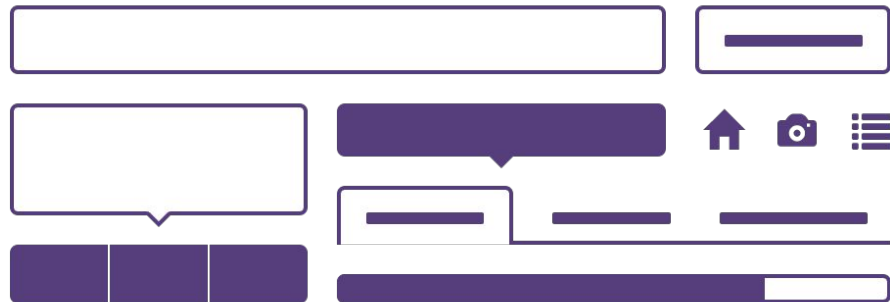


# Twitter Bootstrap



Responsive Layout  
(Grid)

Components



Demo: <http://getbootstrap.com/components/>

Glyphicons

Dropdowns

Button groups

Button dropdowns

Input groups

Navs

Navbar

Breadcrumbs

Pagination

Labels

Badges

Jumbotron

Page header

Thumbnails

Alerts

Progress bars

Media object

List group

Panels

Responsive embed

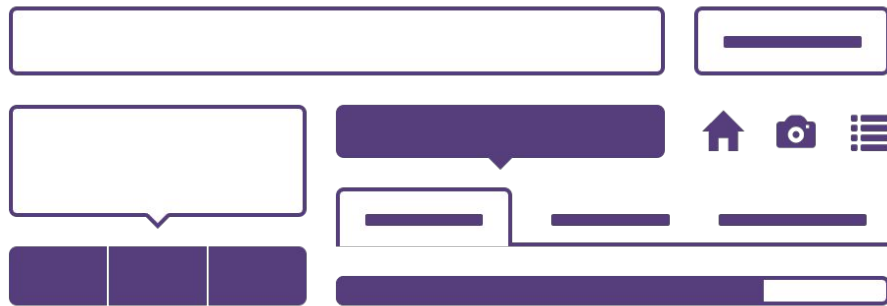
Wells

#### EXAMPLE

.col-xs-1	.col-xs-1	.col-xs-1	.col-xs-1	.col-xs-1	.col-xs-1	.col-xs-1	.col-xs-1	.col-xs-1	.col-xs-1	.col-xs-1	.col-xs-1
.col-xs-2		.col-xs-3			.col-xs-7						
.col-xs-4				.col-xs-4				.col-xs-4			
.col-xs-5					.col-xs-7						
.col-xs-6						.col-xs-6					
.col-xs-12											

## Bootstrap: Grid

# Demo



<https://github.com/uqbar-project/eg-pre-agenda-angular/tree/master/08-bootstrap-agenda>

# TP2.2: ¡A empezar con las vistas!

- IDE

- [Sublime](#)
- [Atom.io](#)
- Eclipse

- [node.js](#)

- [npm](#)

La próxima clase veremos cómo:

- Conectar al servidor
- Usar angular-ui-router

<http://wiki.uqbar.org/wiki/articles/instalacion-de-entorno-javascript.html>