

Curso JavaScript 6.0

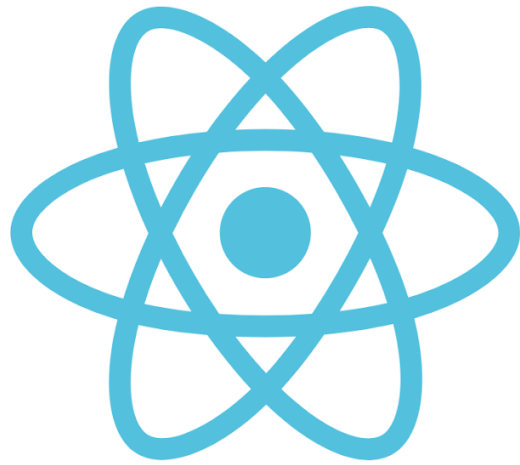


JavaScript

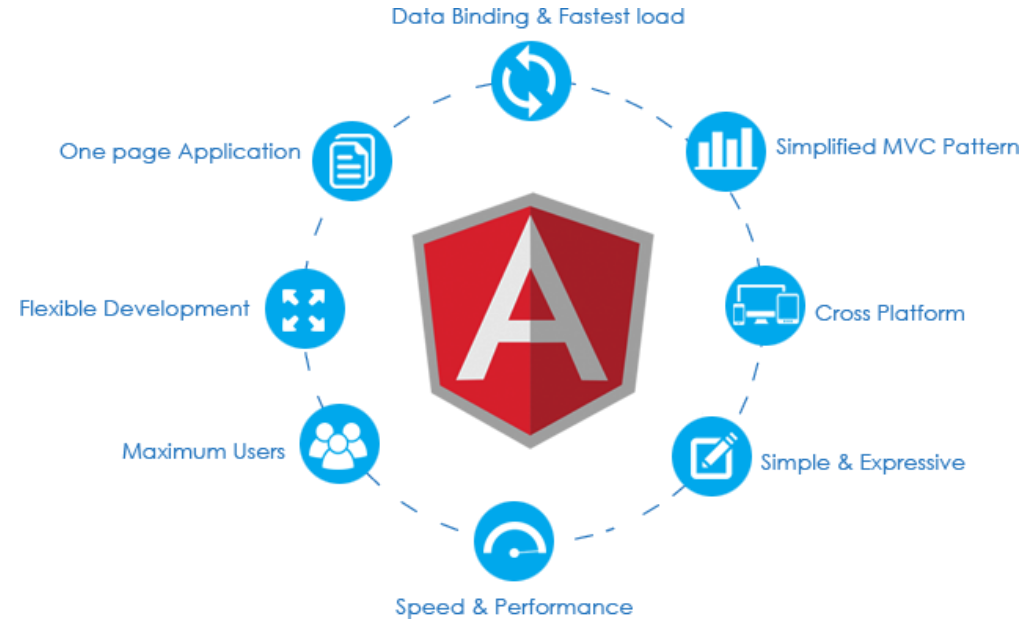
Rafael Herrera García

Octubre 2019





React JS



Tema 5

Uso de Javascript 6



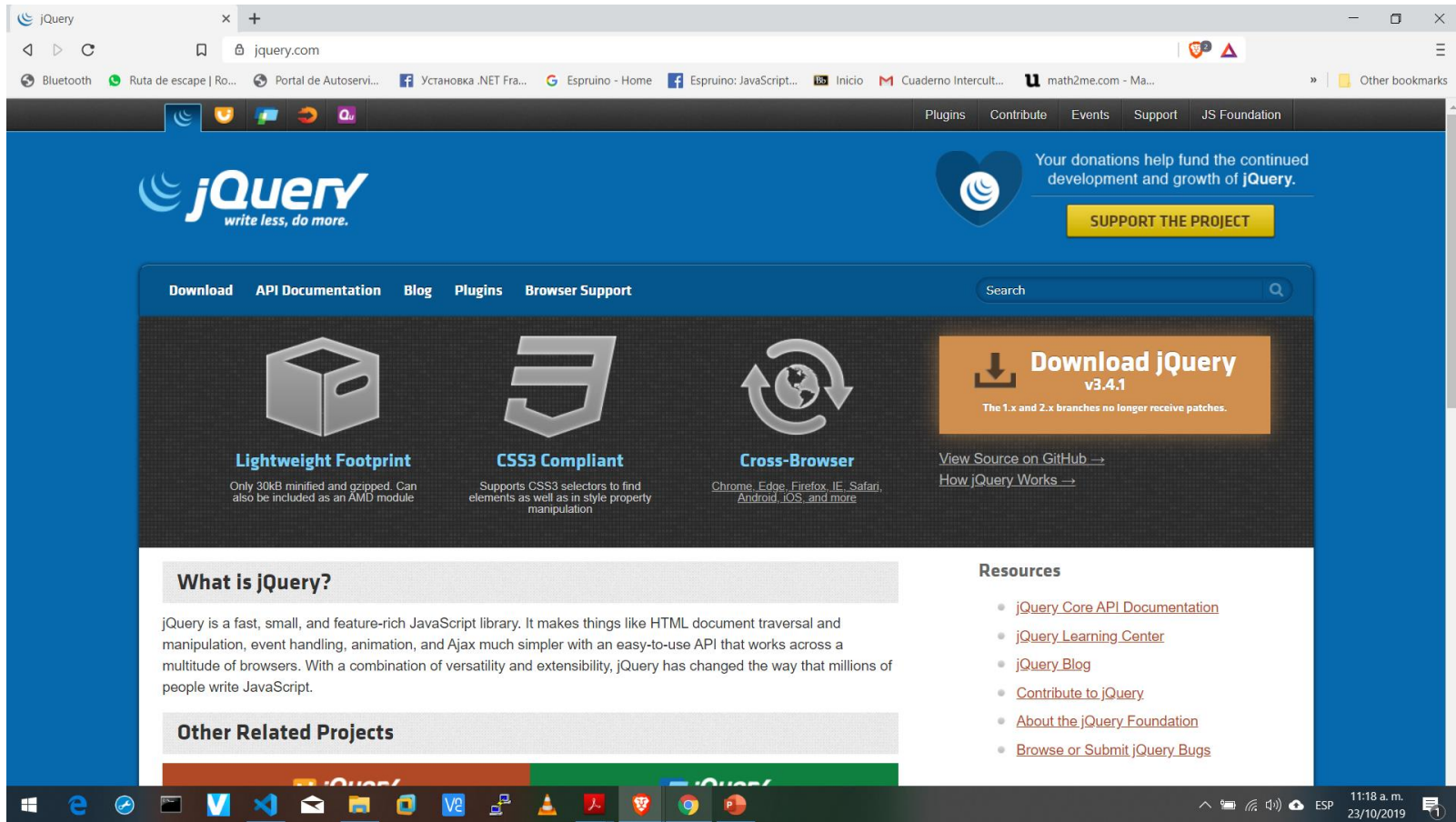
jQuery

- Es una biblioteca de Javascript para gestionar un documento de forma más sencilla.
- Se incorpora en una aplicación simplemente referenciando a la biblioteca.

```
<script src="jquery-3.4.1.min.js"></script>
```



jQuery



jQuery

- El principal componente de jQuery es el Selector
\$(selector).action()
- Selector, es cualquier elemento, clase, id, que se pueda recuperar con document.querySelector, lo que indica que puede ser un nombre de etiqueta o un nombre valido css para referirse a class o id.
- La acción es alguna operación valida para el elemento obtenido.



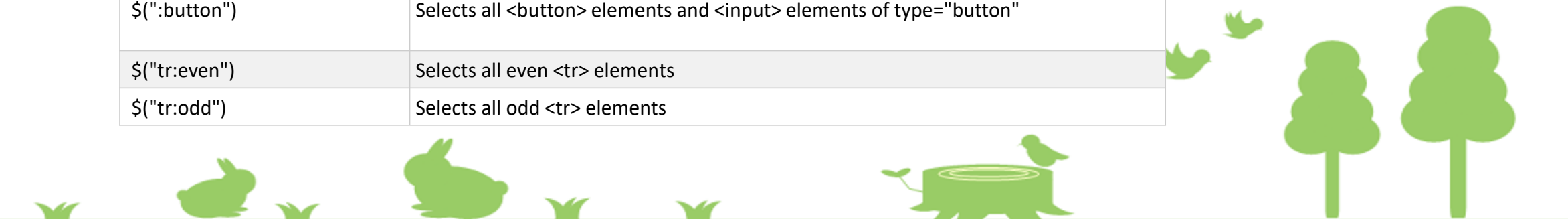
jQuery

```
$(this).hide() - oculta el elemento actual.  
$("a").hide() - oculta todos los elementos ancla.  
$(".test").hide() - oculta todos los elementos class="test".  
$("#test").hide() - oculta el elemento id="test".
```



jQuery

Syntax	Description
<code>\$("*")</code>	Selects all elements
<code>\$(this)</code>	Selects the current HTML element
<code>\$("#p.intro")</code>	Selects all <code><p></code> elements with <code>class="intro"</code>
<code>\$("#p:first")</code>	Selects the first <code><p></code> element
<code>\$("#ul li:first")</code>	Selects the first <code></code> element of the first <code></code>
<code>\$("#ul li:first-child")</code>	Selects the first <code></code> element of every <code></code>
<code>\$("[href]")</code>	Selects all elements with an <code>href</code> attribute
<code>\$("#a[target='_blank']")</code>	Selects all <code><a></code> elements with a <code>target</code> attribute value equal to <code>"_blank"</code>
<code>\$("#a[target!='_blank']")</code>	Selects all <code><a></code> elements with a <code>target</code> attribute value NOT equal to <code>"_blank"</code>
<code>\$(":button")</code>	Selects all <code><button></code> elements and <code><input></code> elements of <code>type="button"</code>
<code>\$("#tr:even")</code>	Selects all even <code><tr></code> elements
<code>\$("#tr:odd")</code>	Selects all odd <code><tr></code> elements

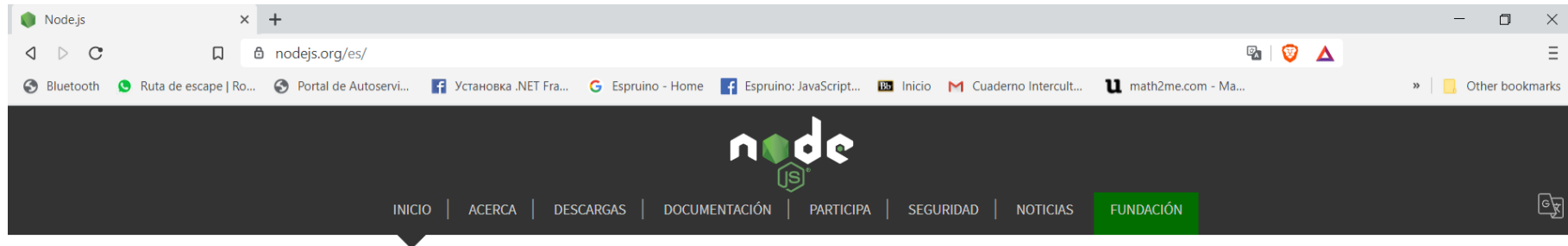


ReactJS

- Es un framework para construir aplicaciones Web Cliente basadas en Javascript 6.
- Contiene un biblioteca de funcionalidades que permiten hacer un trabajo de programación elegante.
- De preferencia se debe tener instalado node.js que a su vez provee la instalación de npm (gestor de bibliotecas nodejs)



ReactJS



Node.js® es un entorno de ejecución para JavaScript construido con el motor de JavaScript V8 de Chrome.

Descargar para Windows (x64)

12.13.0 LTS

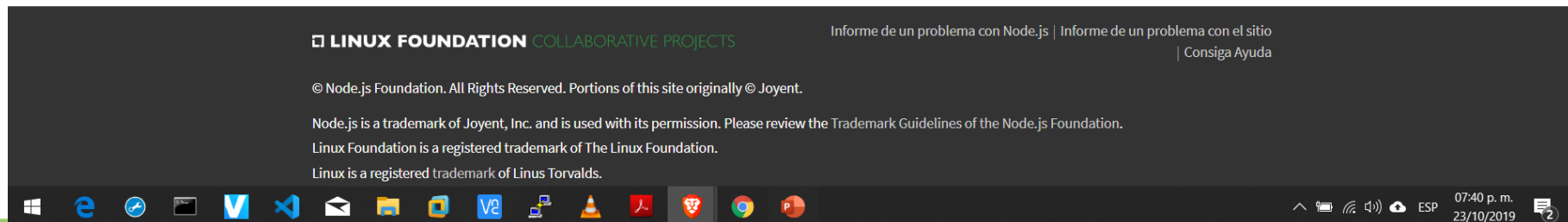
Recomendado para la mayoría

13.0.1 Actual

Últimas características

[Otras Descargas](#) | [Cambios](#) | [Documentación del API](#) [Otras Descargas](#) | [Cambios](#) | [Documentación del API](#)

Ó revise la Agenda de LTS.



ReactJS

Símbolo del sistema

Microsoft Windows [Versión 10.0.18362.418]
(c) 2019 Microsoft Corporation. Todos los derechos reservados.

C:\Users\rafao>node --version
v10.16.3

C:\Users\rafao>npm --version
6.9.0

C:\Users\rafao>

C:\Users\rafao>_

ReactJS

```
npm install -g create-react-app
```

```
npx create-react-app miApp
```



ReactJS

```
npm
Creating a new React app in D:\Users\rafao\bin\react\ejemplo1.

Installing packages. This might take a couple of minutes.
Installing react, react-dom, and react-scripts...

yarn add v1.16.0
[1/4] Resolving packages...
[2/4] Fetching packages...
   fsevents@1.2.9: The platform "win32" is incompatible with this module.
   "fsevents@1.2.9" is an optional dependency and failed compatibility check. Excluding
it from installation.
   fsevents@2.0.7: The platform "win32" is incompatible with this module.
   "fsevents@2.0.7" is an optional dependency and failed compatibility check. Excluding
it from installation.
[3/4] Linking dependencies...
warning "react-scripts > @typescript-eslint/eslint-plugin > tsutils@3.17.1" has unmet peer
dependency "typescript@>=2.8.0 || >= 3.2.0-dev || >= 3.3.0-dev || >= 3.4.0-dev || >= 3.5.
0-dev || >= 3.6.0-dev || >= 3.6.0-beta || >= 3.7.0-dev || >= 3.7.0-beta".
[4/4] Building fresh packages...
success Saved lockfile.
warning Your current version of Yarn is out of date. The latest version is "1.19.1", while
you're on "1.16.0".
```

ReactJS

npm

Inside that directory, you can run several commands:

`yarn start`

Starts the development server.

`yarn build`

Bundles the app into static files for production.

`yarn test`

Starts the test runner.

`yarn eject`

Removes this tool and copies build dependencies, configuration files and scripts into the app directory. If you do this, you can't go back!

We suggest that you begin by typing:

`cd ejemplo1`

`yarn start`

Happy hacking!

D:\Users\rafao\bin\react>cd ejemplo1



ReactJS

npm

```
D:\Users\rafao\bin\react\ejemplo1>npm start
```

```
> ejemplo1@0.1.0 start D:\Users\rafao\bin\react\ejemplo1
```

```
> react-scripts start
```

```
Starting the development server...
```

```
Compiled successfully!
```

```
You can now view ejemplo1 in the browser.
```

```
http://localhost:3000/
```

```
Note that the development build is not optimized.
```

```
To create a production build, use yarn build.
```

```
Compiling...
```

```
Compiled successfully!
```

```
You can now view ejemplo1 in the browser.
```

```
http://localhost:3000/
```

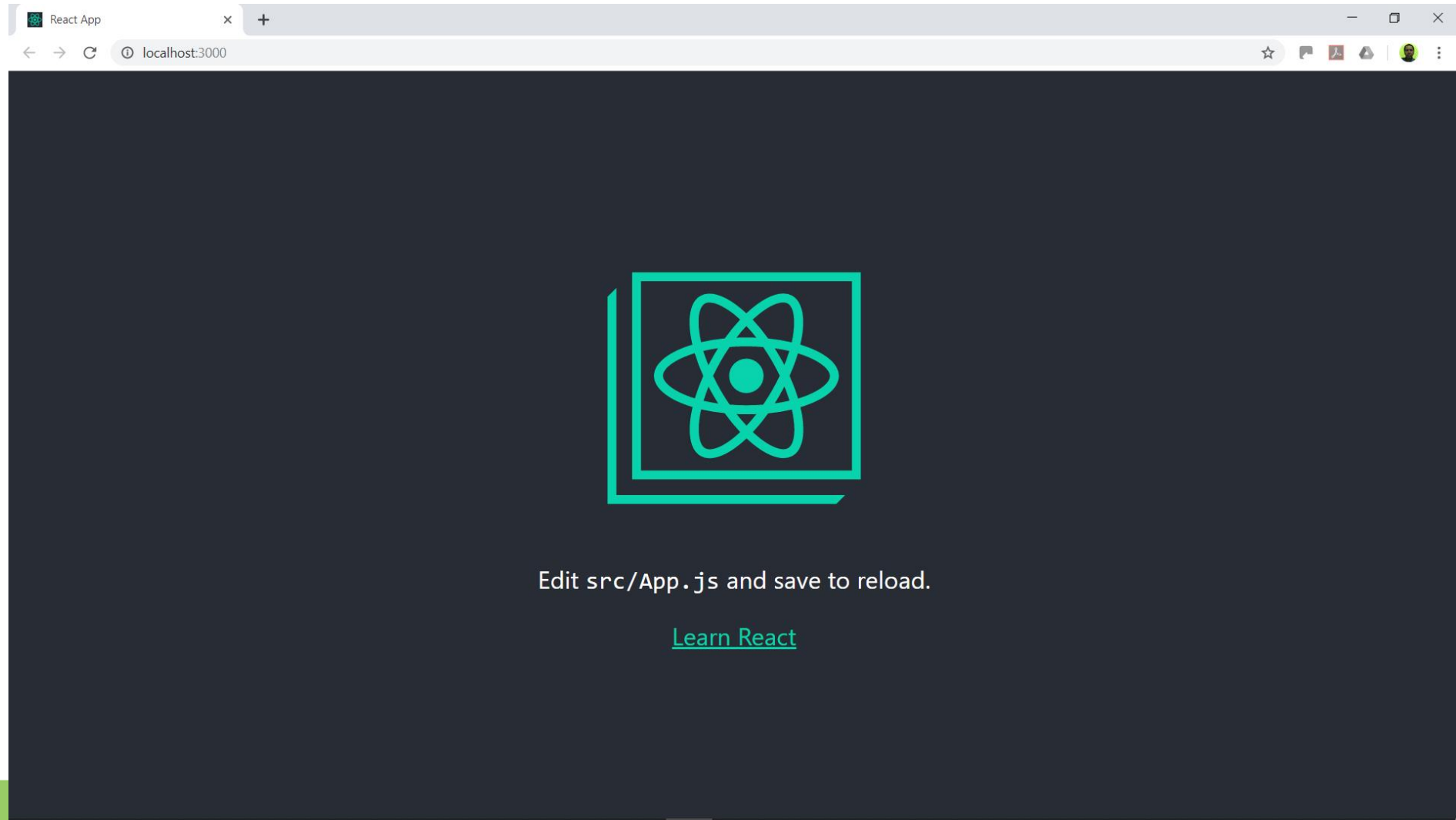
```
Note that the development build is not optimized.
```

```
To create a production build, use yarn build.
```

```
Compiling...
```

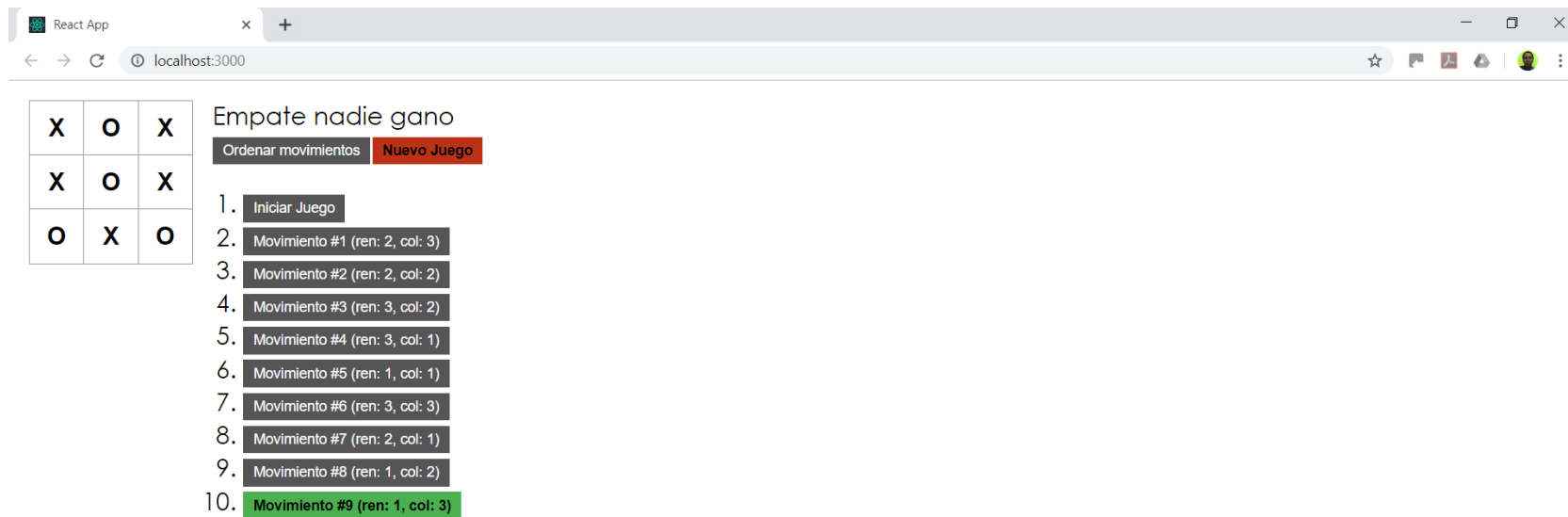


ReactJS



ReactJS

<https://github.com/guar47/react-tutorial-tic-tac-toe>



React App x +

localhost:3000

X	O	X
X	O	X
O	X	O

Empate nadie gana

Ordenar movimientos Nuevo Juego

1. Iniciar Juego
2. Movimiento #1 (ren: 2, col: 3)
3. Movimiento #2 (ren: 2, col: 2)
4. Movimiento #3 (ren: 3, col: 2)
5. Movimiento #4 (ren: 3, col: 1)
6. Movimiento #5 (ren: 1, col: 1)
7. Movimiento #6 (ren: 3, col: 3)
8. Movimiento #7 (ren: 2, col: 1)
9. Movimiento #8 (ren: 1, col: 2)
10. **Movimiento #9 (ren: 1, col: 3)**

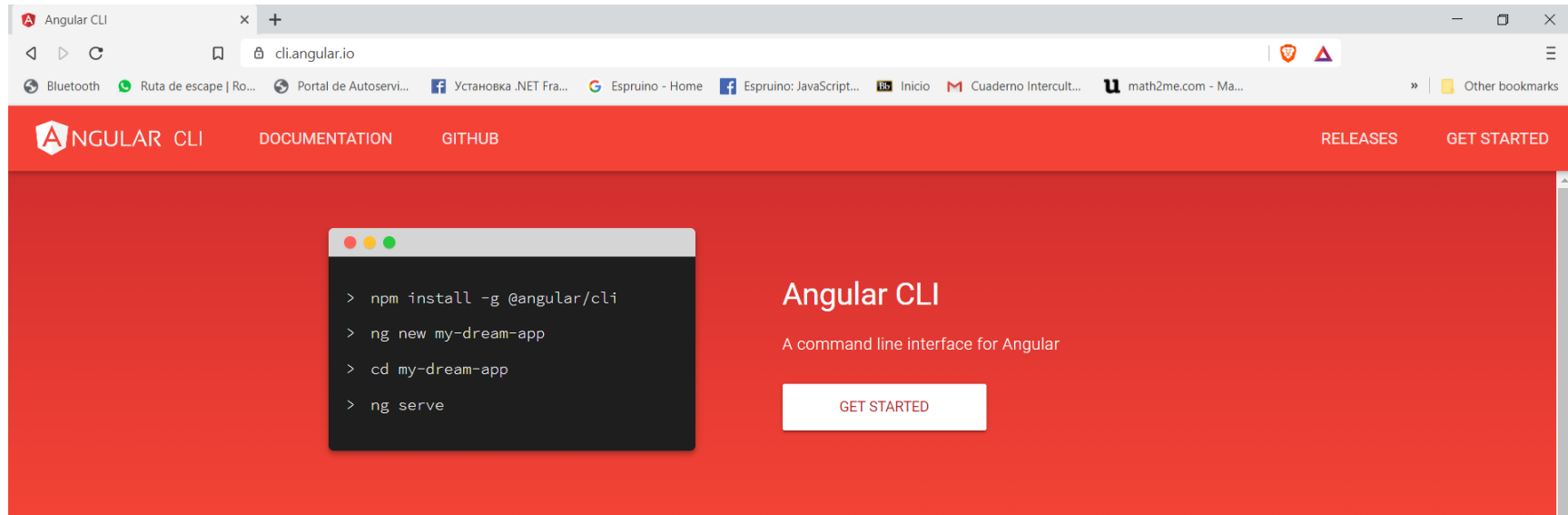


Angular

- Es un framework para construir aplicaciones Web Client (Front-End)
- Basado en HTML/CSS SASS y TypeScript, super conjunto de Javascript
- Al igual que ReactJS se instala y configura con npm (NodeJS)



Angular



ng new

The Angular CLI makes it easy to create an application that already works, right out of the box. It already follows our best practices!

ng generate

Generate components, routes, services and pipes with a simple command. The CLI will also create simple test shells for all of these.



Angular

Simbolo del sistema

```
D:\Users\rafao\bin>npm install -g @angular/cli
C:\Users\rafao\AppData\Roaming\npm\ng -> C:\Users\rafao\AppData\Roaming\npm\node_modules\@angular\cli\bin\ng

> @angular/cli@8.3.14 postinstall C:\Users\rafao\AppData\Roaming\npm\node_modules\@angular\cli
> node ./bin/postinstall/script.js

? Would you like to share anonymous usage data with the Angular Team at Google under Google's Privacy Policy at https://policies.google.com/privacy? For more details and how to change this setting, see http://angular.io/analytics. Yes

Thank you for sharing anonymous usage data. If you change your mind, the following command will disable this feature entirely:

  ng analytics off

+ @angular/cli@8.3.14
added 248 packages from 185 contributors in 24.2s

D:\Users\rafao\bin>
```

Angular

Simbolo del sistema

```
D:\Users\rafao\bin\angular>ng new demo1
? Would you like to add Angular routing? Yes
? Which stylesheet format would you like to use? (Use arrow keys)
> CSS
  SCSS    [ https://sass-lang.com/documentation/syntax#scss ]
  Sass    [ https://sass-lang.com/documentation/syntax#the-indented-syntax ]
  Less     [ http://lesscss.org ]
  Stylus   [ http://stylus-lang.com ]
D:\Users\rafao\bin\angular>ng new demo1
? Would you like to add Angular routing? No
? Which stylesheet format would you like to use? CSS
CREATE demo1/angular.json (3585 bytes)
CREATE demo1/package.json (1291 bytes)
CREATE demo1/README.md (1023 bytes)
CREATE demo1/tsconfig.json (543 bytes)
CREATE demo1/tslint.json (1953 bytes)
CREATE demo1/.editorconfig (246 bytes)
CREATE demo1/.gitignore (631 bytes)
CREATE demo1/browserslist (429 bytes)
CREATE demo1/karma.conf.js (1017 bytes)
CREATE demo1/tsconfig.app.json (270 bytes)
CREATE demo1/tsconfig.spec.json (270 bytes)
```



Angular

The screenshot shows the Angular CLI web interface in a browser window. The browser's address bar shows 'localhost:4200'. The page has a blue header with the Angular logo and the word 'Welcome'. Below the header, a red rocket icon is next to a blue button that says 'demo1 app is running!'. The 'Resources' section follows, with the text 'Here are some links to help you get started:' and three buttons: 'Learn Angular >', '<> CLI Documentation >', and 'Angular Blog >'. The 'Next Steps' section has the text 'What do you want to do next with your app?' and five buttons: '+ New Component', '+ Angular Material', '+ Add Dependency', '+ Run and Watch Tests', and '+ Build for Production'. A terminal window is open, showing the command 'ng generate component xyz'. At the bottom, there are icons for various Angular ecosystem tools and a link to 'Love Angular? Give our repo a star.' with a 'Star' button.

Welcome

demo1 app is running!

Resources

Here are some links to help you get started:

- [Learn Angular >](#)
- [CLI Documentation >](#)
- [Angular Blog >](#)

Next Steps

What do you want to do next with your app?

- + New Component
- + Angular Material
- + Add Dependency
- + Run and Watch Tests
- + Build for Production

```
ng generate component xyz
```

Love Angular? [Give our repo a star.](#) ★ Star

Angular

<https://github.com/AcademiaBinaria/angular-basic>

