JavaScript

for Beginners

le wagon

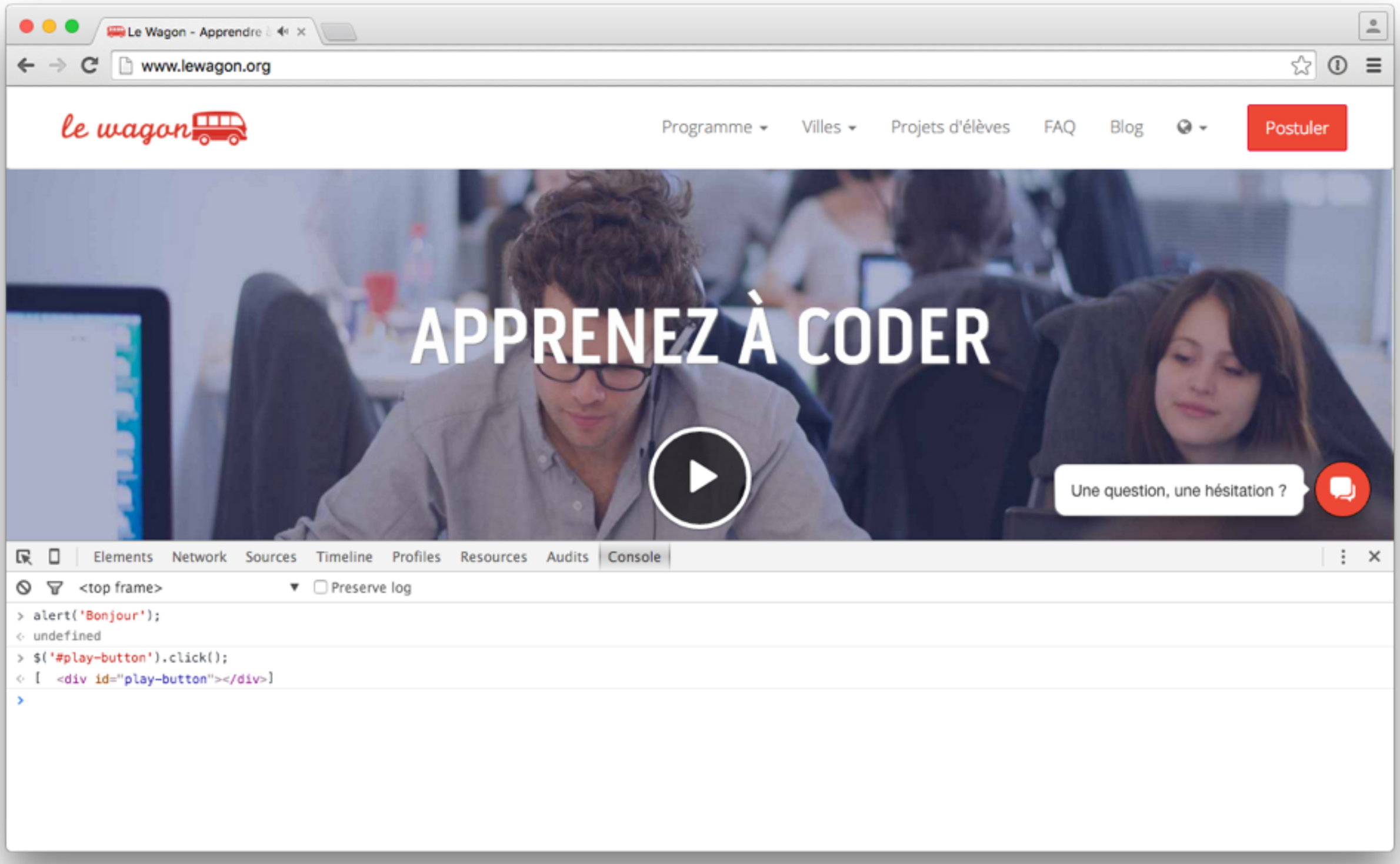
@lesvotres

Bring technical skills to creative people

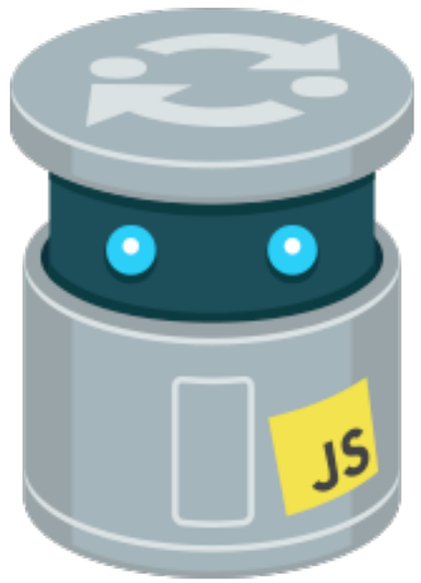
Let's talk about JavaScript

In-browser language

(since 1995)


Le Wagon - Apprendre
www.lewagon.org
le wagon
Programme
Villes
Projets d'élèves
FAQ
Blog
Postuler
APPRENEZ À CODER
Une question, une hésitation ?
Elements
Network
Sources
Timeline
Profiles
Resources
Audits
Console
<top frame>
Preserve log
> alert('Bonjour');
undefined
> $('#play-button').click();
[ ]
>

Sublime Text



JS Bin

Data types

typeof

Numbers

-100

0

1

3.14

42

Boolean

true

false

String

"John"

"John Lennon"

"a"

""

Object

```
{
  "first_name" : "John",
  "last_name"  : "Lennon"
}
```

```
[ "john", "paul", "ringo", "george" ]
```

null

undefined

Variables

var

```
var firstName;
```

```
var firstName = "John";
```

"John"

```
console.log(firstName);
```

Exercise

Concatenate two strings

Conditions

if, else

```
if (weather === "rainy") {
  console.log("Take an umbrella");
}
```

```
if (weather === "rainy") {
  console.log("Take an umbrella");
} else {
  console.log("Take your sunglasses");
}
```

```
if (weather === "rainy") {
  console.log("Take an umbrella");
} else if (weather === "stormy") {
  console.log("Stay at home");
} else {
  console.log("Take your sunglasses");
}
```

Boolean algebra

&&, ||, !

Logical and

```
var result = a && b;
```

a	b	result
false	false	false
false	true	false
true	false	false
true	true	true

```
var rain = true;
var wind = true;

if (rain && wind) {
  console.log("Really stay at home");
}
```

Logical or

```
var result = a || b;
```

a	b	result
false	false	false
false	true	true
true	false	true
true	true	true

```
var day = "Saturday";

if (day === "Saturday" || day === "Sunday") {
  console.log("It's the week-end!");
}
```

Logical not

```
var result = !a;
```

a	result
true	false
false	true

```
var sunny = true;

if (!sunny) {
  console.log("Cancel the beach");
}
```

```
var weather = "raining";

if (weather !== "sunny") {
  console.log("Cancel the beach");
}
```

Exercise

Filter names starting with a "B"

Loops

for, while

Array

```
var students = [ "john", "paul", "ringo" ];

students.length // => 3

students[0]     // => "john"
students[2]     // => "ringo"
students[1]     // => "paul"
```

For

```
for (var i = 0; i < students.length; i += 1) {
  console.log(students[i]);
}
```

Exercise bis

Filter names starting with a "B"

While

```
var i = 0;
while (i < students.length) {
  console.log(students[i]);
  i += 1;
}
```

Functions

function

```
function name(parameters) {
  body
    (return statement)
}
```

Example: Full Name

```
function fullName(first, last) {
  var name = first + " " + last;
  return name;
}
```

Calling a function

```
fullName("John", "Lennon");
```

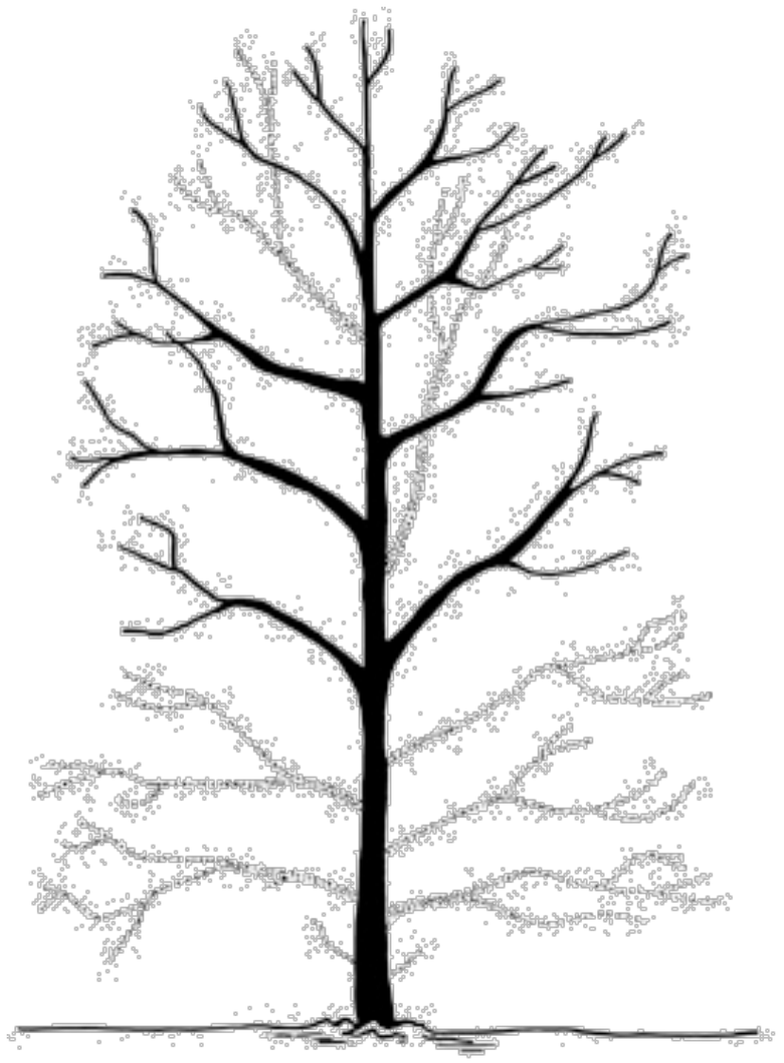
Exercise ter

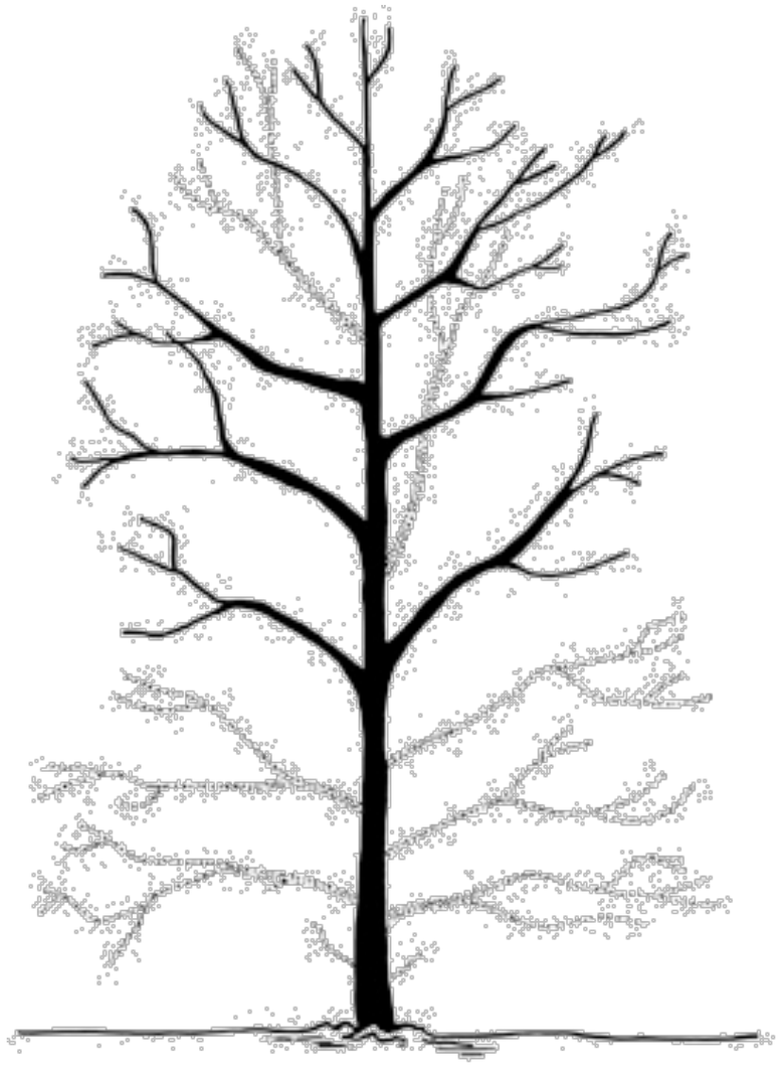
Filter names starting with "B"

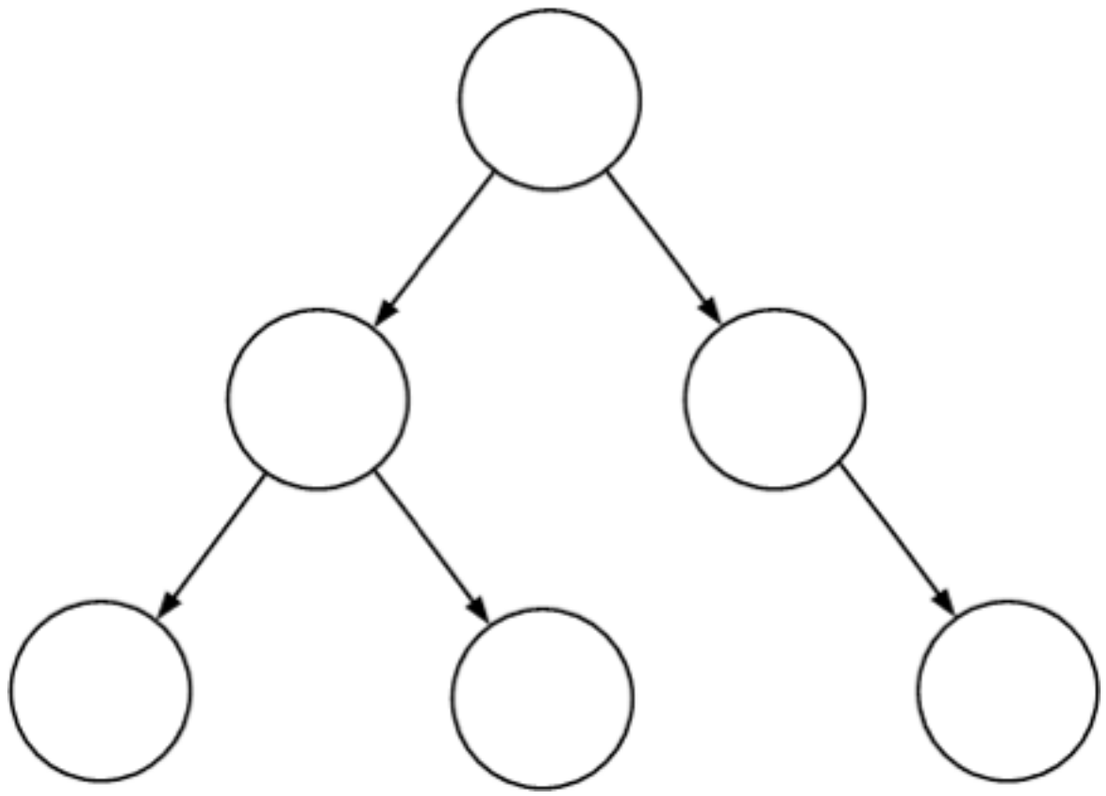
starting with "C"

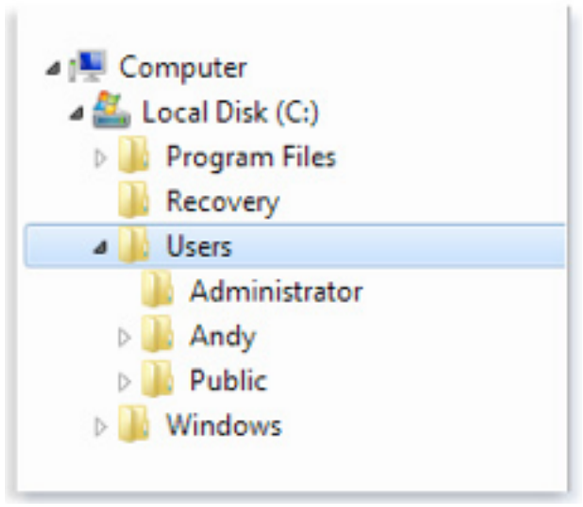
...

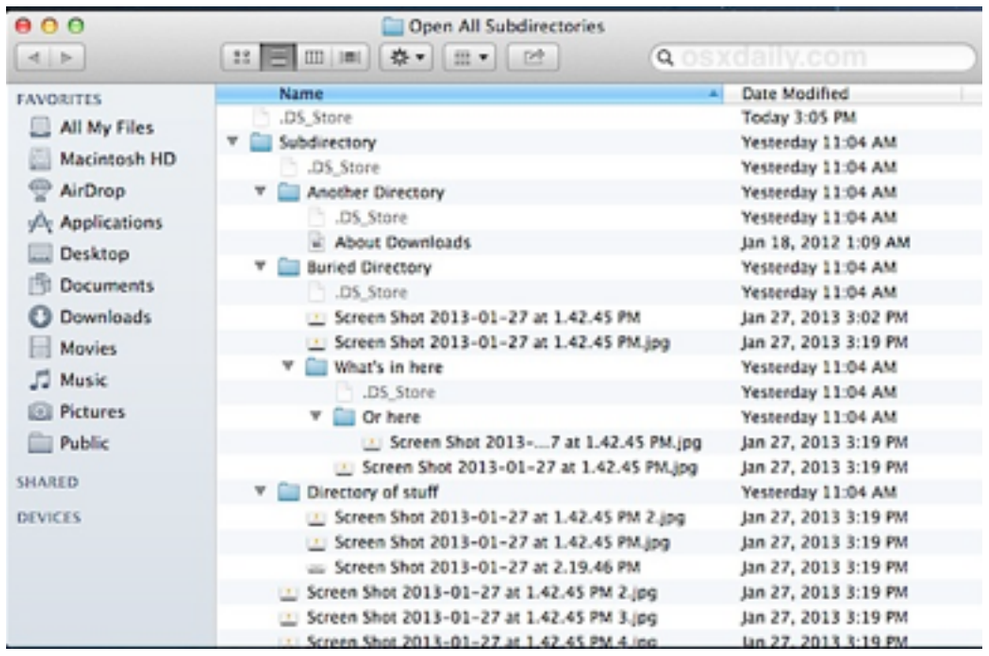
DOM





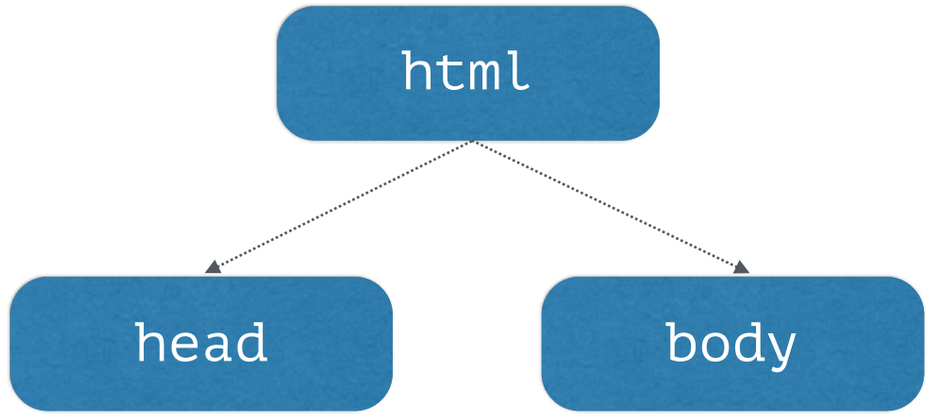



Computer
Local Disk (C:)
Program Files
Recovery
Users
Administrator
Andy
Public
Windows

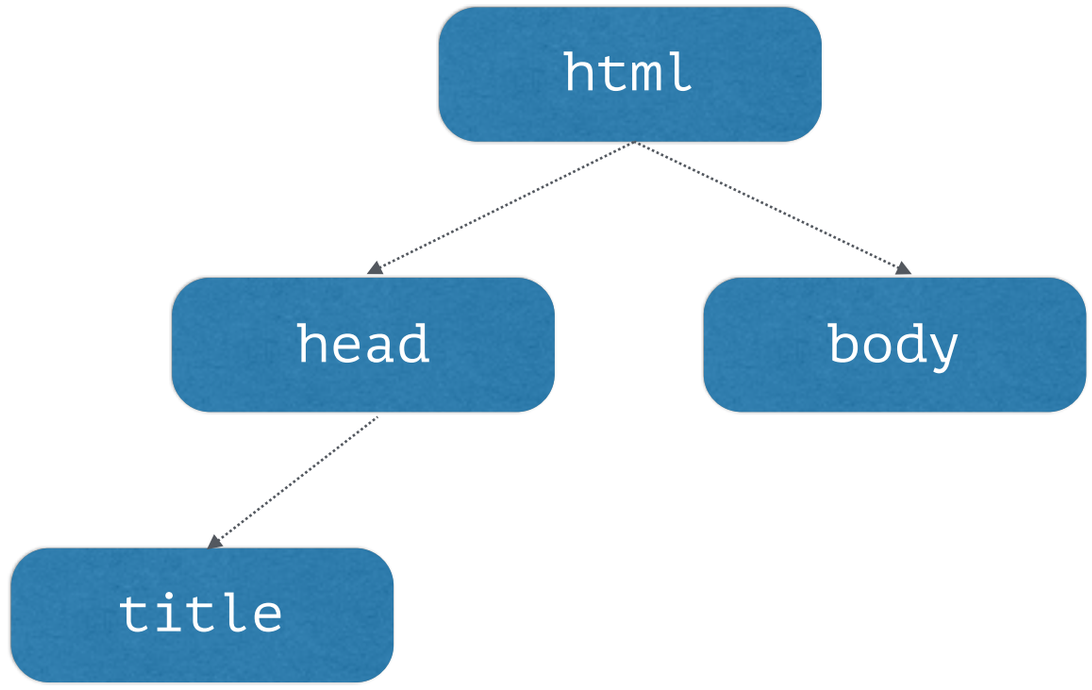

Open All Subdirectories
osxdaily.com
FAVORITES
All My Files
Macintosh HD
AirDrop
Applications
Desktop
Documents
Downloads
Movies
Music
Pictures
Public
SHARED
DEVICES
Name
Date Modified
.DS_Store
Today 3:05 PM
Subdirectory
Yesterday 11:04 AM
.DS_Store
Another Directory
.DS_Store
About Downloads
Jan 18, 2012 1:09 AM
Buried Directory
.DS_Store
Screen Shot 2013-01-27 at 1.42.45 PM
Jan 27, 2013 3:02 PM
Screen Shot 2013-01-27 at 1.42.45 PM.jpg
Jan 27, 2013 3:19 PM
What's in here
.DS_Store
Or here
Screen Shot 2013-...7 at 1.42.45 PM.jpg
Screen Shot 2013-01-27 at 1.42.45 PM.jpg
Directory of stuff
Screen Shot 2013-01-27 at 1.42.45 PM 2.jpg
Screen Shot 2013-01-27 at 1.42.45 PM.jpg
Screen Shot 2013-01-27 at 2.19.46 PM
Screen Shot 2013-01-27 at 1.42.45 PM 2.jpg
Screen Shot 2013-01-27 at 1.42.45 PM 3.jpg

```
<html>
  <head>
    <title>Hello</title>
  </head>
  <body>
    <h1>
      Hello
    </h1>
    <p>
      Lorem Ipsum..
    </p>
  </body>
</html>
```

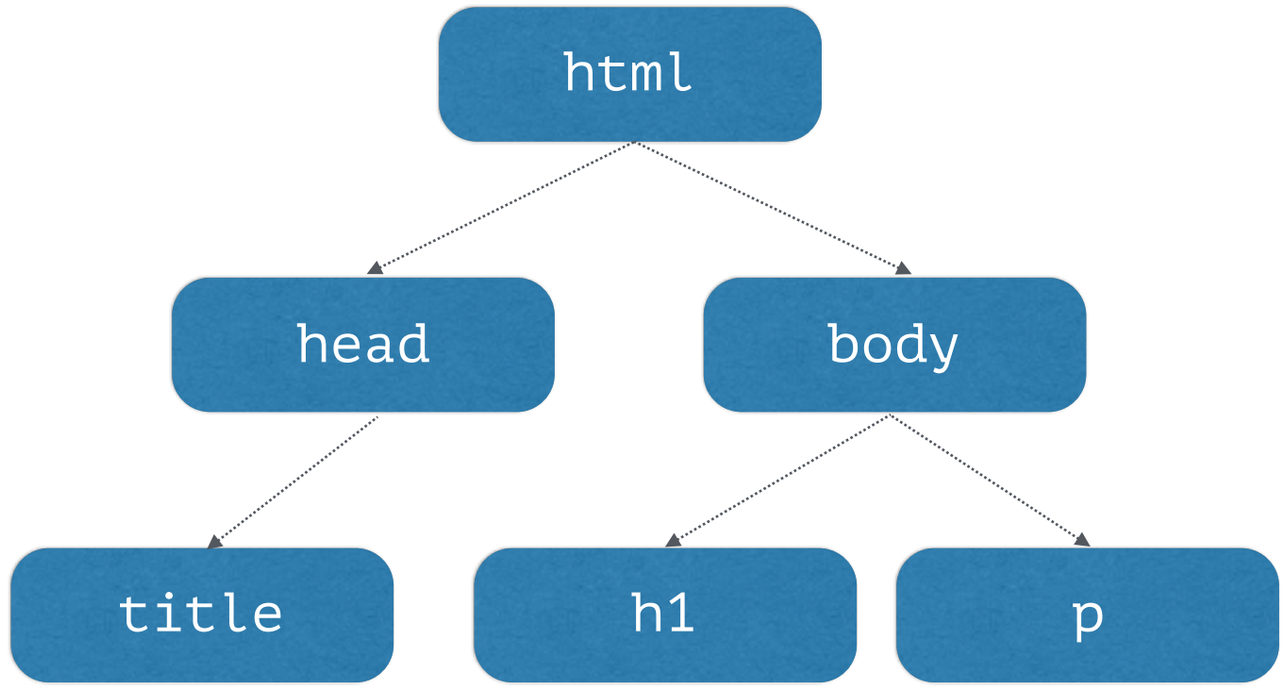
```
<html>
  <head>
    <title>Hello</title>
  </head>
  <body>
    <h1>
      Hello
    </h1>
    <p>
      Lorem Ipsum..
    </p>
  </body>
</html>
```



```
<html>
  <head>
    <title>Hello</title>
  </head>
  <body>
    <h1>
      Hello
    </h1>
    <p>
      Lorem Ipsum…
    </p>
  </body>
</html>
```



```
<html>
  <head>
    <title>Hello</title>
  </head>
  <body>
    <h1>
      Hello
    </h1>
    <p>
      Lorem Ipsum..
    </p>
  </body>
</html>
```



jQuery

chrome!
firefox!
GLUE
sfoze

https://code.jquery.com/jquery-1.11.3.min.js

```
$(document).ready(function() {
  // The jQuery-dependent code
});
```

1 - DOM Manipulation

Element Selector

```
<h1>
  Hello
</h1>
<p>
  Lorem Ipsum…
</p>
  <p>
  Autrum Ipsum…
</p>
```

p

```
$("p").hide();
```

Id selector

```
<h1>
  Hello
</h1>
<div id="cart">
  […]
</div>
<div>
  […]
</div>
```

#cart

```
$("#cart").hide();
```

Class selector

```
<div class="green">
  Hello
</h1>
<div class="red">
  […]
</div>
<div class="red">
  […]
</div>
```

.red

```
$(".red").hide();
```

```
<div id="cart" class="red">
  […]
</div>
```

```
<div id="cart" class="red">
  […]
</div>
```

```
$("#cart").addClass(‘bold’);
```

```
<div id="cart" class="red">
  […]
</div>
```

```
$("#cart").addClass(‘bold’);
```

```
<div id="cart" class="bold red">
  […]
</div>
```

```
<div id="cart" class="bold red">
  […]
</div>
```

```
$("#cart").removeClass(‘bold’);
```

```
<div id="cart" class="red">
  […]
</div>
```

2 - Event Handling

```
$('#play-button').click();
```

```
$('#an-element').on('click', function() {
  alert("You have clicked");
});
```

3 - AJAX

(To be continued...)

Resources

The JavaScript Programmi ×

fr.slideshare.net/guestceb98b/the-javascript-programming-language

SlideShare | Recherche | Importer | Se connecter | S'inscrire

Accueil | Technologies | Éducation | Autres thèmes | Pour les uploaders | Recueillez des prospects

2 people clipped this slide

The JavaScript Programming Language

Douglas Crockford

Clip slide | 1 of 142

Recommandé

Douglas Kirkland on Photography: A Life in Pictures

lynda.com PREMIUM VIDEO

Creative Inspirations: Douglas Kirkland, Photographer

lynda.com PREMIUM VIDEO

Douglas Kirkland on Photography: Storytelling through Photography

lynda.com PREMIUM VIDEO

Javascript Best Practices

Christian Heilmann

49,209 views

JavaScript Programming

Sehwan Noh

9,730 views

Amazon.fr - Javascript: Th

www.amazon.fr/Javascript-Good-Parts-D-Crockford/dp/0596517742/ref=sr_1_1?ie=UTF8&qid=1444913288&sr=8-1&keywords=javascript+the+go...

amazon.fr Premium

Toutes nos boutiques | javascript the good parts

15€ offerts pour 60€ d'achats avec Amazon Famille ›Cliquez ici

amazonfamille

Parcourir les boutiques | Chez vous | Promotions | Chèques-cadeaux | Vendre | Aide

Bonjour. Identifiez-vous Votre compte | Adhérez Premium | 0 Panier | Liste d'envies

Livres anglais et étrangers | Recherche détaillée | Nos rubriques | Nouveautés | Meilleures ventes | Bonnes affaires | Livres audio | Tous les livres | Vendez !

JavaScript: The Good Parts: The Good Parts et plus d'un million d'autres livres sont disponibles pour **le Kindle d'Amazon**. En savoir plus

‹ Retour aux résultats de la recherche pour « javascript the good parts »

Feuilleter

Voir les 2 images

Javascript: The Good Parts (Anglais) Broché – 16 mai 2008

de D Crockford (Auteur)

★★★★★ 22 commentaires client

Voir les formats et éditions

Format Kindle	Broché
EUR 13,54	EUR 22,95
Lisez avec notre Appli gratuite	5 d'occasion à partir de EUR 12,13 21 neufs à partir de EUR 17,47

Voulez-vous le faire livrer le vendredi 16 oct.? Commandez-le dans les **2 h et 56 mins** et choisissez la **Livraison en 1 jour ouvré** au cours de votre commande. En savoir plus.

Partager

Acheter neuf
EUR 22,95
Tous les prix incluent la TVA.

Livraison à EUR 0,01.

En stock.
Expédié et vendu par Amazon.
Emballage cadeau disponible.

Quantité : 1

Continuer avec la livraison en 1 jour ouvré GRATUITE avec Amazon Premium

Ajouter au panier

Identifiez-vous pour activer la commande 1-Click.

Acheter d'occasion
EUR 12,13

JavaScript · Bootstrap

getbootstrap.com/javascript/

Aww yeah, Bootstrap 4 is coming!

Bootstrap | Getting started | CSS | Components | JavaScript | Customize | Themes | Expo | Blog

JavaScript

Bring Bootstrap's components to life with over a dozen custom jQuery plugins. Easily include them all, or one by one.

imgIX
Real-time image resizing as a service. 70ms response times. Free to try.
ads via Carbon

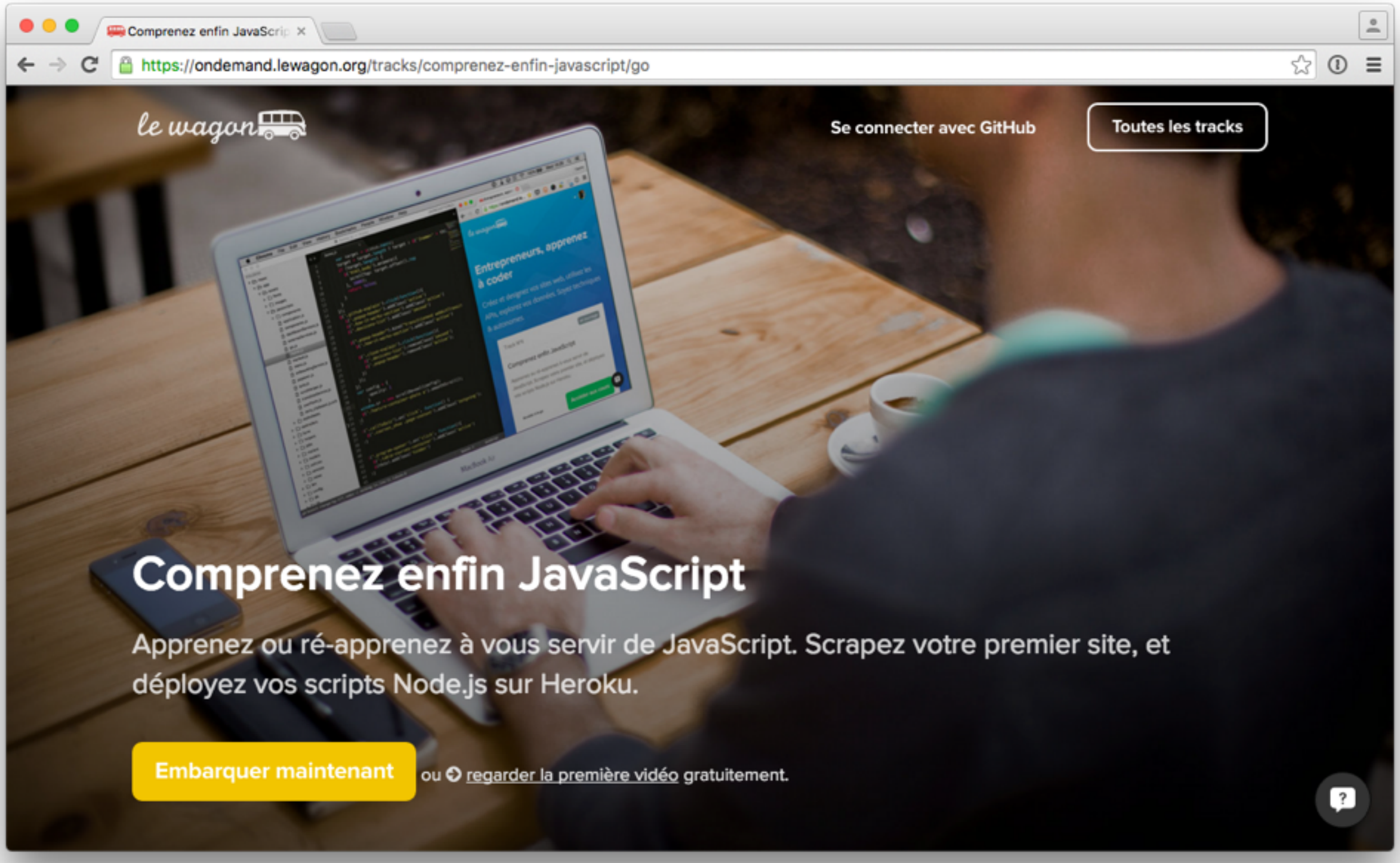
Overview

Individual or compiled

Plugins can be included individually (using Bootstrap's individual `*.js` files), or all at once (using `bootstrap.js` or the minified `bootstrap.min.js`).

> **Using the compiled JavaScript**
> Both `bootstrap.js` and `bootstrap.min.js` contain all plugins in a single file. Include only one.

Overview
Transitions
Modal
Dropdown
Scrollspy
Tab
Tooltip
Popover
Alert
Button


Comprenez enfin JavaScrip
https://ondemand.lewagon.org/tracks/comprenez-enfin-javascript/go
le wagon
Se connecter avec GitHub
Toutes les tracks
Entrepreneurs, apprenez à coder
Comprenez enfin JavaScript
Apprenez ou ré-apprenez à vous servir de JavaScript. Scrapez votre premier site, et déployez vos scripts Node.js sur Heroku.
Embarquer maintenant
ou regarder la première vidéo gratuitement.

-30€

ondemand.lewagon.org/nantes