

Mustache

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Systeme de template populaire



Logic-less templates.

Available in [Ruby](#), [JavaScript](#), [Python](#), [Erlang](#), [Elixir](#), [PHP](#), [Perl](#), [Perl6](#), [Objective-C](#), [Java](#), [C#/.NET](#), [Android](#), [C++](#), [CFEngine](#), [Go](#), [Lua](#), [ooc](#), [ActionScript](#), [ColdFusion](#), [Scala](#), [Clojure\[Script\]](#), [Fantom](#), [CoffeeScript](#), [D](#), [Haskell](#), [XQuery](#), [ASP](#), [Io](#), [Dart](#), [Haxe](#), [Delphi](#), [Racket](#), [Rust](#), [OCaml](#), [Swift](#), [Bash](#), [Julia](#), [R](#), [Crystal](#), [Common Lisp](#), [Nim](#), [Pharo](#), [Tcl](#), [C](#), [ABAP](#), and for [Elm](#)

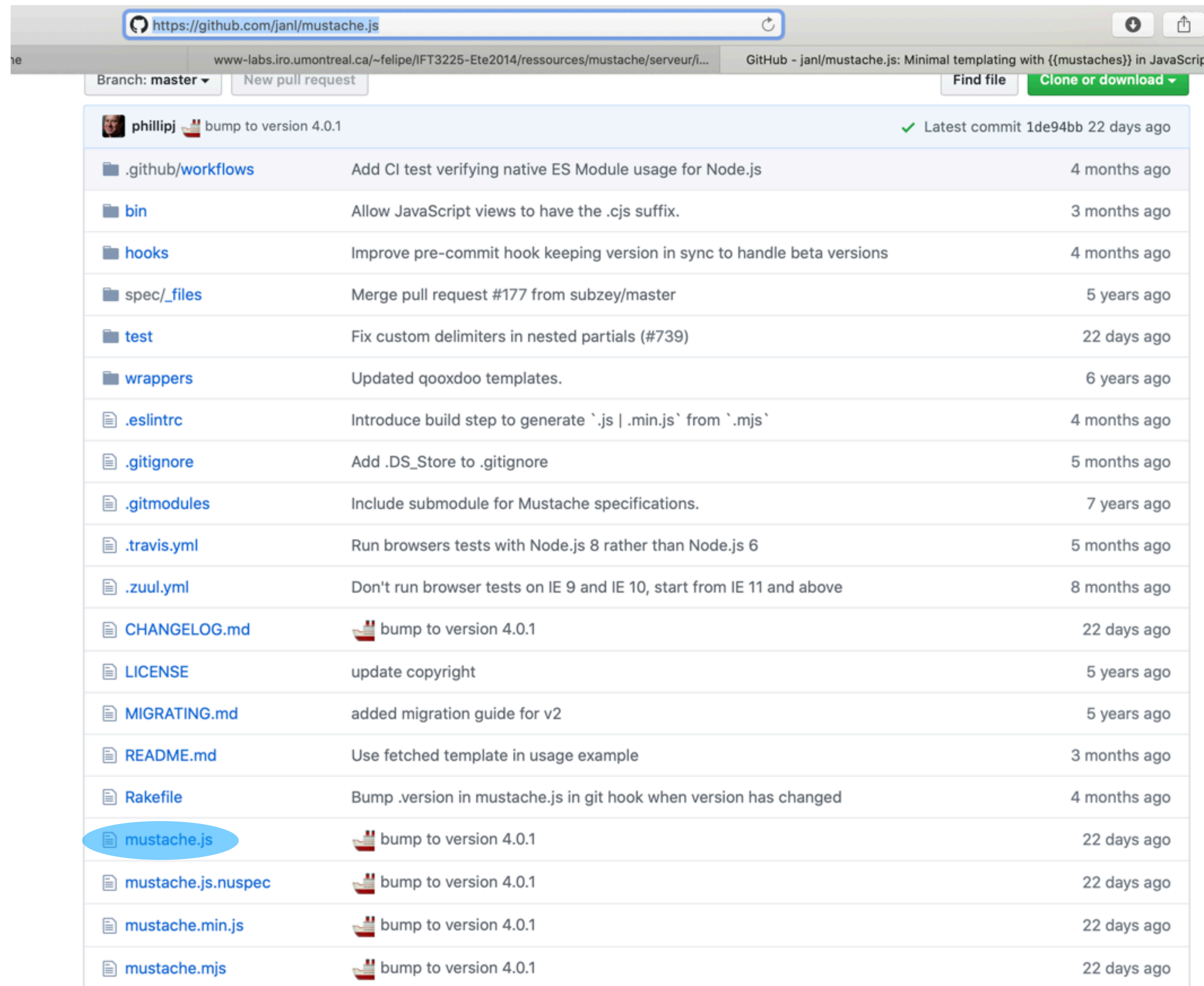
Works great with [TextMate](#), [Vim](#), [Emacs](#), [Coda](#), and [Atom](#)

The Manual: [mustache\(5\)](#) and [mustache\(1\)](#).

idée: éviter de polluer le code (js, php) avec du code HTML.

- jQuery réduit ce besoin en javascript, mais pas entièrement.
- pas grand chose en PHP
- même système de templates dans les deux langages
 - client et serveurs peuvent s'échanger des templates).

https://github.com/janl/mustache.js



Branch: master | New pull request | Find file | Clone or download

phillipj bump to version 4.0.1 ✓ Latest commit 1de94bb 22 days ago

📁 .github/workflows	Add CI test verifying native ES Module usage for Node.js	4 months ago
📁 bin	Allow JavaScript views to have the .cjs suffix.	3 months ago
📁 hooks	Improve pre-commit hook keeping version in sync to handle beta versions	4 months ago
📁 spec/_files	Merge pull request #177 from subzey/master	5 years ago
📁 test	Fix custom delimiters in nested partials (#739)	22 days ago
📁 wrappers	Updated qooodoo templates.	6 years ago
📄 .eslintrc	Introduce build step to generate `.js .min.js` from `.mjs`	4 months ago
📄 .gitignore	Add .DS_Store to .gitignore	5 months ago
📄 .gitmodules	Include submodule for Mustache specifications.	7 years ago
📄 .travis.yml	Run browsers tests with Node.js 8 rather than Node.js 6	5 months ago
📄 .zuul.yml	Don't run browser tests on IE 9 and IE 10, start from IE 11 and above	8 months ago
📄 CHANGELOG.md	bump to version 4.0.1	22 days ago
📄 LICENSE	update copyright	5 years ago
📄 MIGRATING.md	added migration guide for v2	5 years ago
📄 README.md	Use fetched template in usage example	3 months ago
📄 Rakefile	Bump .version in mustache.js in git hook when version has changed	4 months ago
📄 mustache.js	bump to version 4.0.1	22 days ago
📄 mustache.js.nuspec	bump to version 4.0.1	22 days ago
📄 mustache.min.js	bump to version 4.0.1	22 days ago
📄 mustache.mjs	bump to version 4.0.1	22 days ago

Principe

test-inline.html

```
<head>
  <script type="text/javascript" src="mustache.js" ></script>
  <script type="text/javascript" src="test-core.js" ></script>
</head>
<body onload="run_inline(data3)" >
  <p id="test">
</body>
```

test-core.js

```
var data3 = {
  name: "FooBar",
  price: 100,
  salesTax: 0.05,
  totalPrice: function() {
    return this.price + this.price * this.salesTax;
  }
};

function run_inline(data){
  var template = "<p>Product Name: {{name}}</p>Price: {{totalPrice}}";

  var html = Mustache.render(template, data);
  document.getElementById('test').innerHTML = html;
};
```

interpolation des variables
désignées par {{var}}

si une fonction est liée à une
variable, elle est appelée

Mieux

test-script.html

```
<head>
  <script type="text/javascript" src="mustache.js" ></script>
  <script type="text/javascript" src="test-core.js" ></script>
  <script id="templatel" type="text/mustache">
    {{#discographie}}
    <ul>
      <li>{{auteur}} - {{nationalite}}
        <ul>
          {{#albums}}
          <li>{{titre}} -- {{annee}}</li>
          {{/albums}}
        </ul>
      </li>
    </ul>
    {{/discographie}}
  </script>
</head>
<body onload="run_script('templatel')" >
  <p id="test">
</body>
```

test-core.js

```
function run_script(name) {
  var template = document.getElementById(name).innerHTML;
  var html = Mustache.render(template, data);
  document.getElementById('test').innerHTML = html;
};
```

- on stocke chaque template dans un script nommé (id)
- le patron est récupéré via scriptage DOM

```
var data = {
  object: "mustache",
  auteur: {login: "felipe", name: "Philippe"},
  date: "samedi",
  discographie: [
    {
      auteur: "Pierre Lapointe",
      albums: [
        {
          titre: "La forêt des mal aimés",
          annee: 2006
        },
        {
          titre: "punkt",
          annee: 2013
        }
      ],
      nationalite: "Québécois"
    },
    {
      auteur: "Jérôme Minière",
      albums: [
        {titre: "La nuit éclaire le jour qui suit", annee: 1998},
        {titre: "Le vrai le faux", annee: 2010},
        {titre: "Monde pour n'importe qui", annee: 1996}
      ],
      nationalite: "Français"
    }
  ]
};
```

output

DIRO www-labs.iro.umontreal.ca/~felipe/IFT3225-Hiver2018/ressources/mustache/test-

AMTA

- Pierre Lapointe - Québécois
 - La forêt des mal aimés -- 2006
 - punkt -- 2013
- Jérôme Minière - Français
 - La nuit éclaire le jour qui suit -- 1998
 - Le vrai le faux -- 2010
 - Monde pour n'importe qui -- 1996

```
discographie: [  
  {  
    auteur: "Pierre Lapointe",  
    albums: [  
      {  
        titre: "La forêt des mal aimés",  
        annee: 2006  
      },  
      {  
        titre: "punkt",  
        annee: 2013  
      }  
    ],  
    nationalite: "Québécois"  
  }, ...]
```

boucle

```
{{#discographie}}  
  <ul>  
    <li>{{auteur}} - {{nationalite}}  
      <ul>  
        {{#albums}}  
        <li>{{titre}} -- {{annee}}</li>  
        {{/albums}}  
      </ul>  
    </li>  
  </ul>  
{{/discographie}}
```

Encore mieux

test-external.html

```
<head>
  <script type="text/javascript" src="mustache.js" ></script>
  <script type="text/javascript" src="test-core.js" ></script>
</head>
<body onload="run_external2('templates.html','template2')">
  <p id="test">

    <!-- pour stocker les templates -->
    <div id="templates" style="display: none;"></div>
  </body>
```

test-core.js

```
function run_external2(file,name) {
  $("#templates").load(
    file + " #" + name,
    function(){
      var template = document.getElementById(name).innerHTML;
      var html = Mustache.render(template, data);
      $("#test").html(html);
    });
};
```

- les patrons sont maintenant stockés de manière externe (dans des div)
- load (jQuery) charge un patron (ici template2) dans un élément nommé template
- le scriptage est fait dans le foncteur une fois la ressource récupérée
- pro: les patrons sont dans des fichiers à part

```
var data = {
  object: "mustache",
  auteur: {login: "felipe", name: "Philippe"},
  date: "samedi",
  discographie: [
    {
      auteur: "Pierre Lapointe",
      albums: [
        {
          titre: "La forêt des mal aimés",
          annee: 2006
        }, ... ],
      nationalite: "Québécois"
    }, ... ] };
```

templates.html

```
...
<div id="template2">
  {{#discographie}}
  <ul>
    <li>{{auteur}} - {{nationalite}}
    </li>
  </ul>
  {{/discographie}}
</div>
...
```

Encore *plus* mieux

test-external.html

```
<head>
  <script type="text/javascript" src="mustache.js" ></script>
  <script type="text/javascript" src="test-core.js" ></script>
</head>
<body>
  <p id="test">

  <!-- pour stocker les templates -->
  <div id="templates" style="display: none;"></div>
</body>
```

- sans gestionnaire en dur
- le stylage pourrait être chaîné à .load (.hide ou .css)

```
var data = {
  object: "mustache",
  auteur: {login: "felipe", name:
"Philippe"},
  date: "samedi",
  discographie: [
  {
    auteur : "Pierre Lapointe",
    albums : [
      {
        titre: "La forêt des mal aimés",
        annee: 2006
      }, ... ],
    nationalite: "Québécois"
  }, ...] };
```

test-core.js

```
function run_external(name) {
  var template = document.getElementById(name).innerHTML;
  var html = Mustache.render(template, data);
  $("#test").html(html);
};

$(document).ready(
  function() {
    $("#templates").load("templates.html",
      function() {run_external("template2")} );
  });
```

templates.html

```
...
<div id="template2">
  {{#discographie}}
  <ul>
    <li>{{auteur}} - {{nationalite}}
    </li>
  </ul>
  {{/discographie}}
</div>
...
```


Encore *plus plus* mieux

test-external.html

```
<head>
  <script type="text/javascript" src="mustache.js" ></script>
  <script type="text/javascript" src="core.js" ></script>
</head>
<body>
  <p id="test">
</body>
```

core.js

```
var mustache = function(templateName, dataFile, selector) {

  $.getJSON(dataFile,
    function(data) {
      var template = document.getElementById(templateName).innerHTML;
      var html = Mustache.render(template, data);
      $(selector).html(html);
    });
};

$(document).ready(
  function() { // ajoute un element template pour ranger les templates

    $('body').append('<div id="templates" style="display:none;"></div>');
    $("#templates").load("templates.html", function() {
      mustache("template4", "data.json", "#test");
    });
  });
```

données externes

data.json

```
var data = {
  object: "mustache",
  auteur: {login: "felipe", name:
"Philippe"},
  date: "samedi",
  discographie: [
    {
      auteur : "Pierre Lapointe",
      albums : [
        {
          titre: "La forêt des mal aimés",
          annee: 2006
        }, ... ],
      nationalite: "Québécois"
    }, ...] };
};
```

templates.html

```
...
<div id="template2">
  {{#discographie}}
  <ul>
    <li>{{auteur}} - {{nationalite}}
    </li>
  </ul>
  {{/discographie}}
</div>
...
```

https://github.com/bobthecow/mustache.php

A Mustache implementation in PHP. <http://mustache.github.io/>

821 commits 3 branches 0 packages 47 releases

Branch: **master** [New pull request](#)

bobthecow Merge pull request #354 from Kirill89/master ...

bin	Code style fixes.
src/Mustache	Bump to v2.13.0
test	Minor CS fix.
vendor	reverting vendor spec change
.gitignore	update PHP-CS-Fixer to 1.0
.gitmodules	Remove unused submodule.
.php_cs	Update to latest php-cs-fixer config.
.styleci.yml	Update to latest php-cs-fixer config.
.travis.yml	Let 7.4 snapshot fail for now

Installation

- Récupérer le gzip du site web.
- Le mettre sur votre serveur.

```
/Applications/MAMP/htdocs/sources/mustache/mustache.php-master||
```

```
total 80
```

```
drwxr-xr-x@ 16 felipe staff 512 21 mar 10:11 .
drwxr-xr-x  5 felipe admin 160  6 avr 18:22 ..
-rw-r--r--@ 1 felipe staff  48 21 mar 10:11 .gitignore
-rw-r--r--@ 1 felipe staff 178 21 mar 10:11 .gitmodules
-rw-r--r--@ 1 felipe staff 569 21 mar 10:11 .php_cs
-rw-r--r--@ 1 felipe staff 198 21 mar 10:11 .styleci.yml
-rw-r--r--@ 1 felipe staff 539 21 mar 10:11 .travis.yml
-rw-r--r--@ 1 felipe staff 1847 21 mar 10:11 CONTRIBUTING.md
-rw-r--r--@ 1 felipe staff 1086 21 mar 10:11 LICENSE
-rw-r--r--@ 1 felipe staff 2062 21 mar 10:11 README.md
drwxr-xr-x@ 3 felipe staff  96 21 mar 10:11 bin
-rw-r--r--@ 1 felipe staff 657 21 mar 10:11 composer.json
-rw-r--r--@ 1 felipe staff 550 21 mar 10:11 phpunit.xml.dist
drwxr-xr-x@ 3 felipe staff  96 21 mar 10:11 src
drwxr-xr-x@ 5 felipe staff 160 21 mar 10:11 test
drwxr-xr-x@ 4 felipe staff 128 21 mar 10:11 vendor
```

```
/Applications/MAMP/htdocs/sources/mustache/mustache.php-master/src/Mustache||
```

```
total 248
```

```
drwxr-xr-x@ 21 felipe staff 672 21 mar 10:11 .
drwxr-xr-x@ 3 felipe staff  96 21 mar 10:11 ..
-rw-r--r--@ 1 felipe staff 2073 21 mar 10:11 Autoloader.php
drwxr-xr-x@ 5 felipe staff 160 21 mar 10:11 Cache
-rw-r--r--@ 1 felipe staff 767 21 mar 10:11 Cache.php
-rw-r--r--@ 1 felipe staff 22652 21 mar 10:11 Compiler.php
-rw-r--r--@ 1 felipe staff 6897 21 mar 10:11 Context.php
-rw-r--r--@ 1 felipe staff 25592 21 mar 10:11 Engine.php
drwxr-xr-x@ 9 felipe staff 288 21 mar 10:11 Exception
-rw-r--r--@ 1 felipe staff 338 21 mar 10:11 Exception.php
-rw-r--r--@ 1 felipe staff 3743 21 mar 10:11 HelperCollection.php
-rw-r--r--@ 1 felipe staff 2012 21 mar 10:11 LambdaHelper.php
drwxr-xr-x@ 9 felipe staff 288 21 mar 10:11 Loader
-rw-r--r--@ 1 felipe staff 578 21 mar 10:11 Loader.php
drwxr-xr-x@ 4 felipe staff 128 21 mar 10:11 Logger
-rw-r--r--@ 1 felipe staff 3364 21 mar 10:11 Logger.php
-rw-r--r--@ 1 felipe staff 10908 21 mar 10:11 Parser.php
drwxr-xr-x@ 3 felipe staff  96 21 mar 10:11 Source
-rw-r--r--@ 1 felipe staff 1050 21 mar 10:11 Source.php
-rw-r--r--@ 1 felipe staff 5003 21 mar 10:11 Template.php
-rw-r--r--@ 1 felipe staff 11359 21 mar 10:11 Tokenizer.php
```

Hello World!

index.php?goto=one

```
<?php

require '../..../mustache.php-master/src/Mustache/Autoloader.php';
Mustache_Autoloader::register();

$goto = $_GET['goto'] ? $_GET['goto'] : 'main';

if (!strcmp($goto, 'one')) {

    $m = new Mustache_Engine;
    echo $m->render('Hello {{planet}}', array('planet' => 'World!')); // "Hello World!"
    exit();
}

?>
```



Bonjour le monde

index.php?goto=two

```
<?php

require '../..../mustache.php-master/src/Mustache/Autoloader.php';
Mustache_Autoloader::register();

$goto = $_GET['goto'] ? $_GET['goto'] : 'main';

if (!strcmp($goto, 'two')) {

    $mustache = new Mustache_Engine(array(
        'loader' => new Mustache_Loader_FilesystemLoader('./templates')
    ));
    $tpl = $mustache->loadTemplate('greeting.mustache');
    echo $tpl->render(array('planet' => 'le monde'));
    exit();
}
?>
```

templates/greeting.mustache

```
Bonjour {{planet}}
```



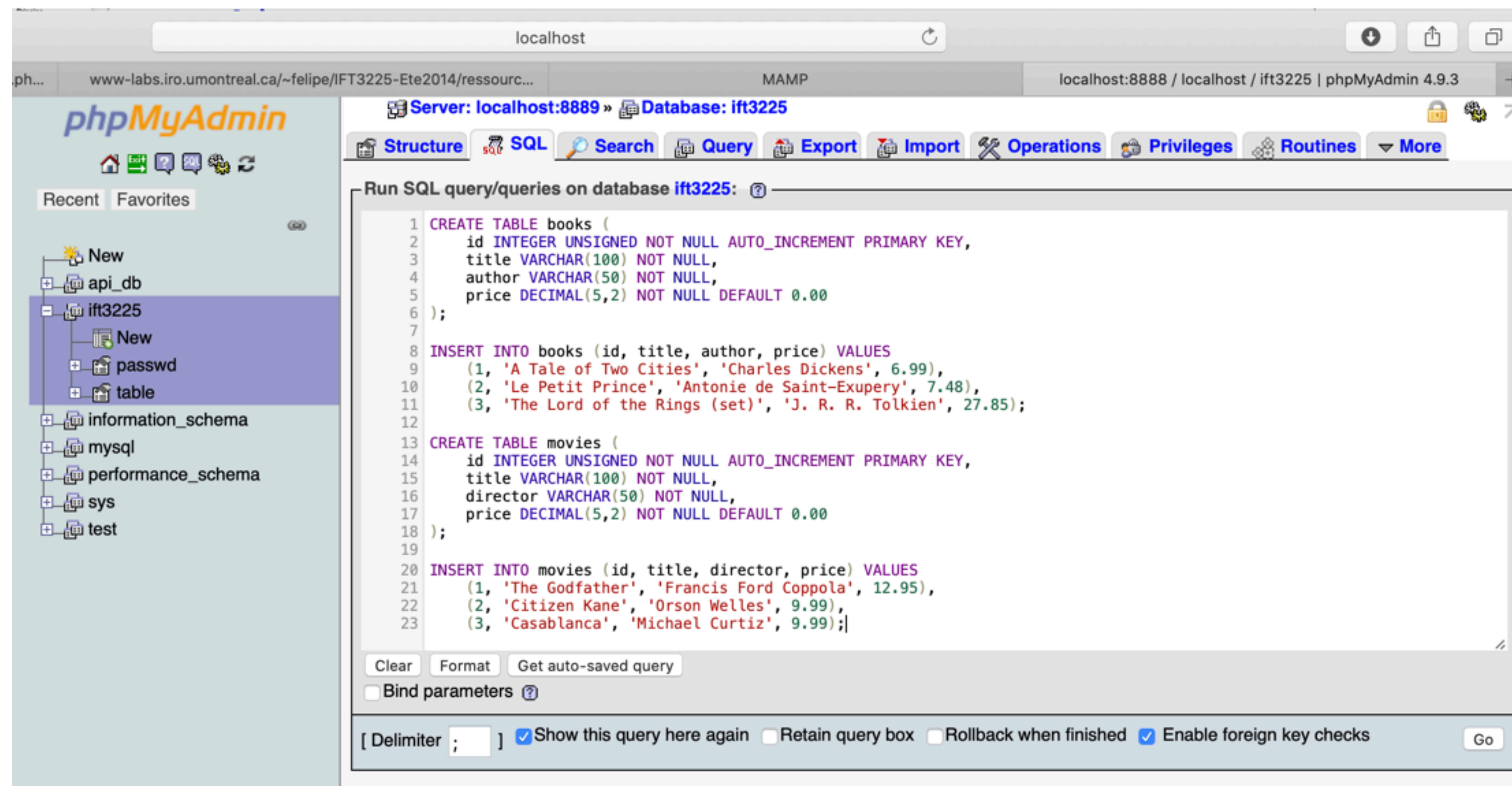
localhost:8888/sources/mustache/mustache/serveur/index.php?goto=two

Bonjour le monde

Échange de patrons js/php

Repris de <http://www.sitepoint.com/sharing-templates-between-php-and-javascript/>

schema.sql



The screenshot shows the phpMyAdmin interface for a MySQL database named 'ift3225'. The left sidebar shows the database structure, with 'ift3225' selected. The main area displays SQL queries for creating two tables: 'books' and 'movies'. The 'books' table has columns for id, title, author, and price. The 'movies' table has columns for id, title, director, and price. Both tables have an auto-incrementing primary key and a price column with a default value of 0.00. The queries also include INSERT statements for sample data.

```
1 CREATE TABLE books (  
2   id INTEGER UNSIGNED NOT NULL AUTO_INCREMENT PRIMARY KEY,  
3   title VARCHAR(100) NOT NULL,  
4   author VARCHAR(50) NOT NULL,  
5   price DECIMAL(5,2) NOT NULL DEFAULT 0.00  
6 );  
7  
8 INSERT INTO books (id, title, author, price) VALUES  
9   (1, 'A Tale of Two Cities', 'Charles Dickens', 6.99),  
10  (2, 'Le Petit Prince', 'Antonie de Saint-Exupery', 7.48),  
11  (3, 'The Lord of the Rings (set)', 'J. R. R. Tolkien', 27.85);  
12  
13 CREATE TABLE movies (  
14   id INTEGER UNSIGNED NOT NULL AUTO_INCREMENT PRIMARY KEY,  
15   title VARCHAR(100) NOT NULL,  
16   director VARCHAR(50) NOT NULL,  
17   price DECIMAL(5,2) NOT NULL DEFAULT 0.00  
18 );  
19  
20 INSERT INTO movies (id, title, director, price) VALUES  
21   (1, 'The Godfather', 'Francis Ford Coppola', 12.95),  
22   (2, 'Citizen Kane', 'Orson Welles', 9.99),  
23   (3, 'Casablanca', 'Michael Curtiz', 9.99);
```

Exercice: faites le sur le serveur du DIRO !

Création de la base

Server: localhost:8889 » Database: ift3225 » Table: books

Showing rows 0 - 2 (3 total, Query took 0.0002 seconds.)

```
SELECT * FROM `books`
```

Number of rows: 25 | Filter rows: Search this table | Sort by key: None

	id	title	author	price
<input type="checkbox"/>	1	A Tale of Two Cities	Charles Dickens	6.99
<input type="checkbox"/>	2	Le Petit Prince	Antonie de Saint-Exupery	7.48
<input type="checkbox"/>	3	The Lord of the Rings (set)	J. R. R. Tolkien	27.85

Query results operations: Print, Copy to clipboard, Export, Display chart, Create view

Server: localhost:8889 » Database: ift3225 » Table: movies

Showing rows 0 - 2 (3 total, Query took 0.0002 seconds.)

```
SELECT * FROM `movies`
```

Number of rows: 25 | Filter rows: Search this table | Sort by key: None

	id	title	director	price
<input type="checkbox"/>	1	The Godfather	Francis Ford Coppola	12.95
<input type="checkbox"/>	2	Citizen Kane	Orson Welles	9.99
<input checked="" type="checkbox"/>	3	Casablanca	Michael Curtiz	9.99

Query results operations: Print, Copy to clipboard, Export, Display chart, Create view

Logique php

index.php?goto=main

```
<?php

require '../../mustache.php-master/src/Mustache/Autoloader.php';
Mustache_Autoloader::register();
$goto = $_GET['goto'] ? $_GET['goto'] : 'main';

if (!strcmp($goto, 'main')) {

    require 'includes/db_config.php';
    require 'includes/Inventory.php';

    // a) load the mustache templates
    $mustache = new Mustache_Engine(array(
        'loader' => new Mustache_Loader_FilesystemLoader('./templates')
    ));
    $booksTpl = $mustache->loadTemplate('books.mustache');
    $moviesTpl = $mustache->loadTemplate('movies.mustache');

    // b) connect to the database
    $inventory = new Inventory($db);

    // c) generate HTML code
    require 'header.php';

    echo $booksTpl->render($inventory->getBooks());
    echo $moviesTpl->render($inventory->getMovies());

    require 'footer.php';
    exit();
}
?>
```

← fetch depuis la BDD

header.php

```
<?php if (isset($_GET['source'])) die(highlight_file(__FILE__, 1)); ?>

<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN"
    "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">

<html xmlns="http://www.w3.org/1999/xhtml">

    <head>
        <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
        <title>Bienvenue dans mon magasin</title>

        <link rel="stylesheet" type="text/css" href="css/style.css" />
    </head>

    <body>
```

xhtml 1.0

footer.php

```
<?php if (isset($_GET['source'])) die(highlight_file(__FILE__, 1)); ?>

<!-- on peut valider le xhtml -->
<p style="text-align: center">
    <a href="http://validator.w3.org/check/referer" title="Valid XHTML 1.0">
    
    </a>
</p>

<script type="text/javascript"
    src="//ajax.googleapis.com/ajax/libs/jquery/1.11.1/jquery.min.js"></script>
<script type="text/javascript"
    src="http://raw.github.com/janl/mustache.js/master/mustache.js"></script>

<script type="text/javascript"
    src="js/script.js"></script>

<!-- where the mustache templates will go on the client side -->
<script id="booksTpl" type="text/mustache">
<?php echo file_get_contents('templates/books.mustache'); ?>
</script>

<script id="moviesTpl" type="text/mustache">
<?php echo file_get_contents('templates/movies.mustache'); ?>
</script>

</body>
</html>
```


output

books.mustache

```
<div>
<table>
  <caption> Books:</caption>
  <thead>
    <tr><th>Titre</th><th>Auteur</th><th>Prix</th></tr>
  </thead>
  <tbody>
    {{#products}}
    {{#book}}
    <tr>
      <td>{{title}}</td><td>{{author}}</td><td>{{price}}</td>
    </tr>
    {{/book}}
  {{/products}}
  </tbody>
</table>
</div>
```

```
$inventory->getBooks()
```

```
Array ( [products] => Array ( [0] => Array (
    [title] => A Tale of Two Cities
    [author] => Charles Dickens
    [price] => 6.99
    [book] => 1 )
  [1] => Array (
    [title] => Le Petit Prince
    [author] => Antonie de Saint-Exupery
    [price] => 7.48
    [book] => 1 )
  [2] => Array (
    [title] => The Lord of the Rings (set)
    [author] => J. R. R. Tolkien
    [price] => 27.85
    [book] => 1 ) ) )
```

movies.mustache

```
<div>
<table>
  <caption> Movies:</caption>
  <thead>
    <tr><th>Titre</th><th>Directeur</th><th>Prix</th></tr>
  </thead>
  <tbody>
    {{#products}}
    {{#movie}}
    <tr>
      <td>{{title}}</td><td>{{director}}</td><td>{{price}}</td>
    </tr>
    {{/movie}}
  {{/products}}
  </tbody>
</table>
</div>
```

```
$inventory->getMovies()
```

```
Array ( [products] => Array ( [0] => Array (
    [title] => The Godfather
    [director] => Francis Ford Coppola
    [price] => 12.95
    [movie] => 1 )
  [1] => Array (
    [title] => Citizen Kane
    [director] => Orson Welles
    [price] => 9.99
    [movie] => 1 )
  [2] => Array (
    [title] => Casablanca
    [director] => Michael Curtiz
    [price] => 9.99
    [movie] => 1 ) ) )
```

index.php retourne une page HTML sans que du HTML n'y soit présent explicitement

Books:		
Titre	Auteur	Prix
A Tale of Two Cities	Charles Dickens	6.99
Le Petit Prince	Antonie de Saint-Exupery	7.48
The Lord of the Rings (set)	J. R. R. Tolkien	27.85

Movies:		
Titre	Directeur	Prix
The Godfather	Francis Ford Coppola	12.95
Citizen Kane	Orson Welles	9.99
Casablanca	Michael Curtiz	9.99

Échange / côté serveur

index.php?goto=prep

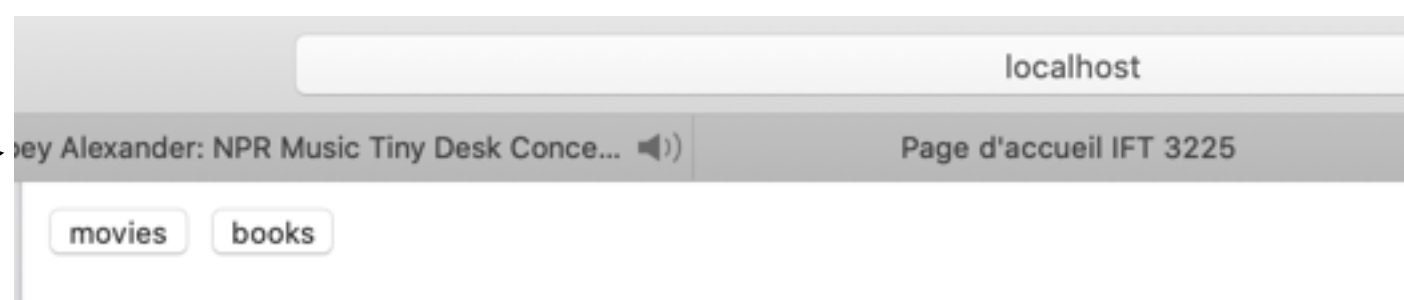
```
<?php
require '../..//mustache.php-master/src/Mustache/Autoloader.php';
Mustache_Autoloader::register();

$goto = $_GET['goto'] ? $_GET['goto'] : 'main';

if (!strcmp($goto, 'prep')) {

    require 'header.php';
    require 'client.php';
    require 'footer.php';
    exit();
}
?>
```

not part of the tutorial



client.php

```
<div id="products"></div>
<form>
  <input type="submit" id="moviesFilter" value="movies">
  <input type="submit" id="booksFilter" value="books">
</form>
```

footer.php

```
<?php if (isset($_GET['source'])) die(highlight_file(__FILE__, 1)); ?>

<script type="text/javascript"
  src="//ajax.googleapis.com/ajax/libs/jquery/1.11.1/jquery.min.js"></script>
<script type="text/javascript"
  src="http://raw.githubusercontent.com/janl/mustache.js/master/mustache.js"></script>
<script type="text/javascript" src="js/script.js"></script>

<!-- where the mustache templates will go on the client side -->
<script id="booksTpl" type="text/mustache">
<?php echo file_get_contents('templates/books.mustache'); ?>
</script>
<script id="moviesTpl" type="text/mustache">
<?php echo file_get_contents('templates/movies.mustache'); ?>
</script>
```

les templates sont ici
(pour le client)

```
</body>
</html>
```

Échange / côté client

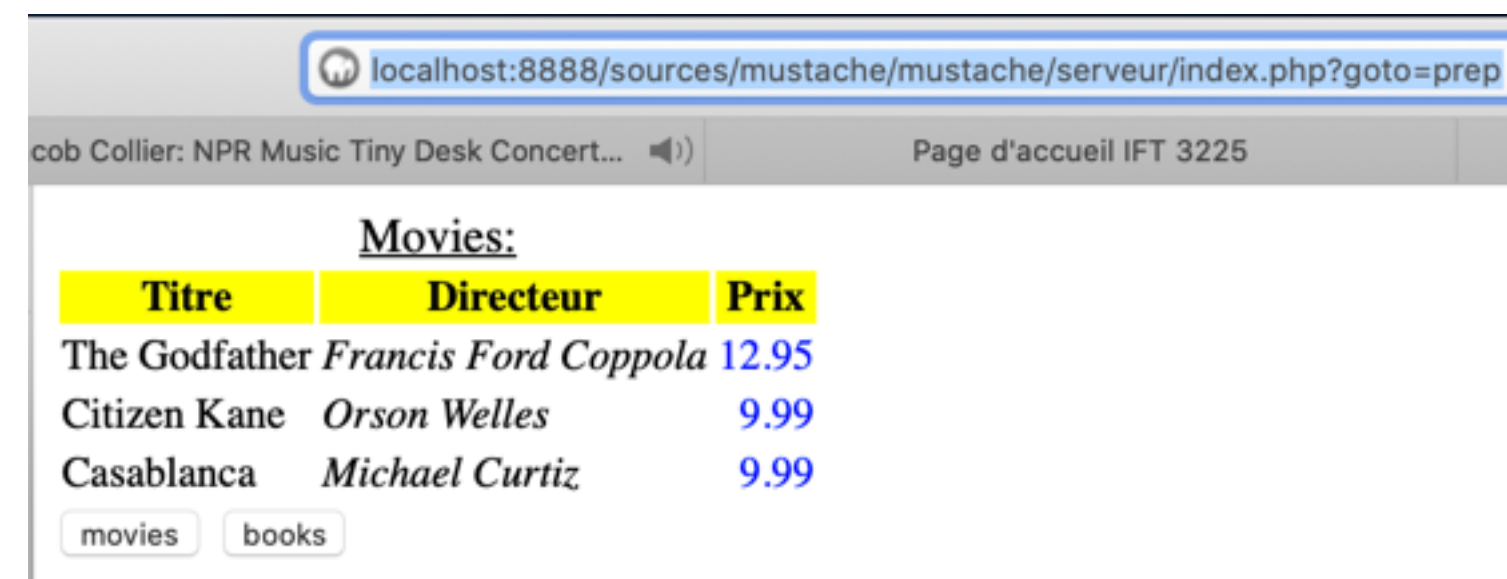
js/script.js

```
$(document).ready(function () {  
  
  function fetch(type) {  
    $.get("ajax.php?type="+ type,  
        function (msg) {  
      var template = $("#" + type + "Tpl").html();  
      var output = Mustache.render(template, msg);  
      $("#products").html(output);  
    },  
    "json");  
  }  
  
  $("#booksFilter").click(function () { fetch("books"); return false; });  
  $("#moviesFilter").click(function () { fetch("movies"); return false; });  
});
```

ajax.php

```
<?php  
require 'includes/db_config.php';  
require 'includes/Inventory.php';  
require 'includes/json_encode.php'; // for PHP < 5.2  
  
// get type  
$expected = array('books','movies');  
$type = (isset($_GET['type'])) ? $_GET['type'] : $expected[0];  
if (!in_array($type, array('books', 'movies'))) $type = $expected[0];  
  
// fetch data  
$inventory = new Inventory($db);  
$data = "problem (ajax.php)";  
  
switch ($type) {  
  case 'books':  
    $data = $inventory->getBooks();  
    break;  
  case 'movies':  
    $data = $inventory->getMovies();  
    break;  
}  
  
// la réponse Ajax  
header('Content-Type: application/json');  
echo json_encode($data);  
?>
```

Au final



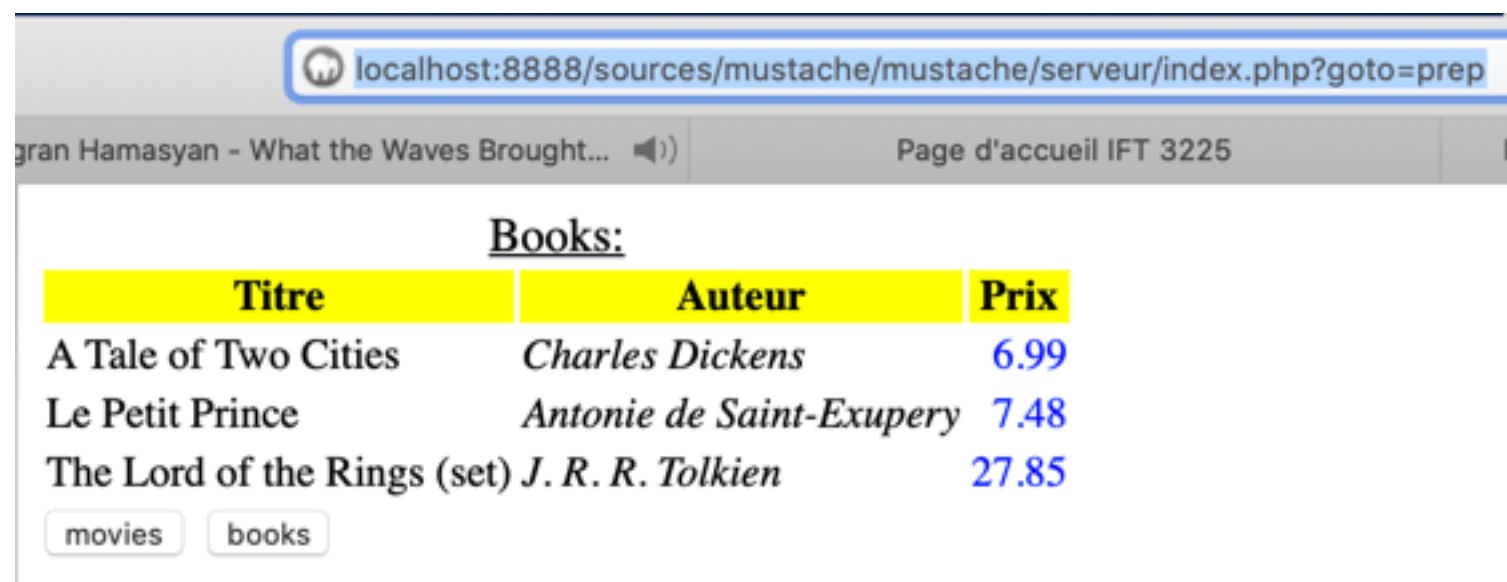
localhost:8888/sources/mustache/mustache/serveur/index.php?goto=prep

cob Collier: NPR Music Tiny Desk Concert... Page d'accueil IFT 3225

Movies:

Titre	Directeur	Prix
The Godfather	Francis Ford Coppola	12.95
Citizen Kane	Orson Welles	9.99
Casablanca	Michael Curtiz	9.99

movies books



localhost:8888/sources/mustache/mustache/serveur/index.php?goto=prep

gran Hamasyan - What the Waves Brought... Page d'accueil IFT 3225

Books:

Titre	Auteur	Prix
A Tale of Two Cities	Charles Dickens	6.99
Le Petit Prince	Antonie de Saint-Exupery	7.48
The Lord of the Rings (set)	J. R. R. Tolkien	27.85

movies books

- le serveur (index.php?goto=prep) offre via Ajax un accès à une base de données
- le client reçoit du serveur une page html dans lequel les templates sont stockés
 - plus rapide d'échanger des données que du markup HTML l'encapsulant
 - séparation affichage / données
- mêmes patrons côté client et serveur

https://mustache.github.io/mustache.5.html

Template:

```
{{#person?}} section
  Hi {{name}}!
{{/person?}}
```

Comments begin with a bang and are ignored. The following template:

```
<h1>Today{{! ignore me }}.</h1>
```

Will render as follows:

```
<h1>Today.</h1>
```

Hash:

```
{
  "person?": { "name": "Jon" }
}
```

Comments may contain newlines.

Output:

```
Hi Jon!
```

```
base.mustache:
```

```
<h2>Names</h2>
```

```
{{#names}}
```

```
  {{> user}}
```

partial

```
{{/names}}
```

```
user.mustache:
```

```
<strong>{{name}}</strong>
```

Can be thought of as a single, expanded template:

```
<h2>Names</h2>
```

```
{{#names}}
```

```
  <strong>{{name}}</strong>
```

```
{{/names}}
```