

# Curso de Ajax com jQuery

## Codigo Mentor (Henry Granados)

<https://www.youtube.com/watch?v=S-papoiMa2g&list=PLK7sa90aSL67Z-B0pELfYcHV8vLgNX5g>

Resumo do curso feito por Roberto Pinheiro

## Aula 1 - \$.get()

### aula-1/index.html

```
<!DOCTYPE html>
<html>
<head>
  <meta charset="UTF-8">
  <title>Aula 1 - $.get()</title>
  <script type="text/javascript" src="js/jquery-3.4.1.js"></script>
  <link rel="stylesheet" type="text/css" href="css/style.css">
</head>
<body>

<button id="btnClicar">Clicar</button>

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

</body>
</html>
```

### aula-1/js/app.js

```
$(document).ready(function(){
  $("button").click(function(){
    $.get("dados.txt", function(dado, status, xhr){
      console.log("Mensagem: " + dado + "\nStatus: " + status + " " + xhr.status);
    });
  });
});
```

### aula-1/dados.txt

Aqui temos uma nova mensagem.

Aula 1 - \$.get()

localhost/ajax\_jquery-codigomentor/aula-1/

Apps Gerador de Formul... Formulário com vali... Gerador de CNPJ -... Como criar formulá... Gerador de Formul...

Clicar

Elements Console Sources Network Performance Memory Application

top Filter Default levels

Mensagem: Aqui temos uma nova mensagem. app.js:4  
Status: success 200  
XHR finished loading: GET "http://localhost/ajax\_jquery-codigomentor/aula\_jquery-3.4.1.js:9837-1/dados.txt".

Elements Console Sources Network Performance Memory Application

Preserve log Disable cache Online

Filter Hide data URLs All XHR JS CSS Img Media Font Doc WS Manifest Other

20 ms 40 ms 60 ms 80 ms 100 ms

Name	Status	Type	Initiator	Size	Time	Waterfall
dados.txt	200	xhr	jquery-3.4.1.j...	(disk c...	27 ms	

Elements Console Sources Network Performance Memory Application

Preserve log Disable cache Online

Filter Hide data URLs All XHR JS CSS Img Media Font Doc WS Manifest Other

20 ms 40 ms 60 ms 80 ms 100 ms

Name	Headers	Preview	Response	Timing
dados.txt		Aqui temos uma nova mensagem.		

## Aula 2 - \$.get() e JSON

### aula-2/index.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <title>Aula 2 - $.get() e JSON</title>
  <script type="text/javascript" src="js/jquery-3.4.1.js"></script>
  <link rel="stylesheet" type="text/css" href="css/style.css">
</head>
<body>

<button id="btnClicar">Clicar</button>

<br /><br />

<div id="info"></div>

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

</body>
</html>
```

### aula-2/js/app.js

```
$(document).ready(function(){
  $("#btnClicar").click(function(){
    $.get("dados.json", function(dado, status, xhr){
      console.log(dado);
      $("#info").text(dado.nome + " " + dado.sobrenome);
    });
  });
});
```

### aula-2/dados.json

```
{
  "nome": "Luis",
  "sobrenome": "Gomez"
}
```

Aula 2 - \$.get() e JSON

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localhost/ajax\_jquery-codigomentor/aula-2/

☆

AppsGerador de Formul...Formulário com vali...Gerador de CNPJ ~...Como criar formulá...Gerador de Formul...

Clicar

Luis Gomez

ElementsConsoleSourcesNetworkPerformanceMemoryApplication

topFilterDefault levels

▼ {nome: "Luis", sobrenome: "Gomez"} app.js:4

nome: "Luis"

sobrenome: "Gomez"

\_\_proto\_\_: Object

► XHR finished loading: GET "http://localhost/ajax\_jquery-codigomentor/aula\_jquery-3.4.1.js:9837-2/dados.json".

>

## Aula 3 - \$.get() e JSON Array

### aula-3/index.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <title>Aula 3 - $.get() e JSON Array</title>
  <script type="text/javascript" src="js/jquery-3.4.1.js"></script>
  <link rel="stylesheet" type="text/css" href="css/style.css">
</head>
<body>

<button id="btnClicar">Clicar</button>

<br /><br />

<div id="info"></div>

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

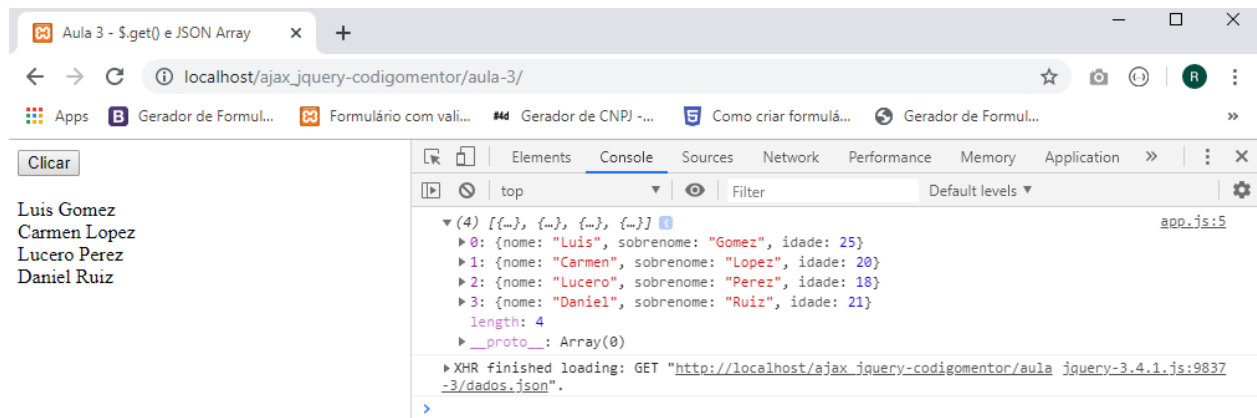
</body>
</html>
```

### aula-3/js/app.js

```
$(document).ready(function(){
  $("#btnClicar").click(function(){
    $.get("dados.json", function(dados){
      if($("#info").is(":empty")){
        console.log(dados);
        $.each(dados, function(index, obj){
          $("#info").append(obj.nome + " " + obj.sobrenome + "<br />");
        });
      }
    });
  });
});
```

## aula-3/dados.json

```
[
  {
    "nome": "Luis",
    "sobrenome": "Gomez",
    "idade": 25
  },
  {
    "nome": "Carmen",
    "sobrenome": "Lopez",
    "idade": 20
  },
  {
    "nome": "Lucero",
    "sobrenome": "Perez",
    "idade": 18
  },
  {
    "nome": "Daniel",
    "sobrenome": "Ruiz",
    "idade": 21
  }
]
```



# Aula 4 - \$.getJSON() - Parte 1

## aula-4/index.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <title>Aula 4 - $.getJSON()</title>
  <script type="text/javascript" src="js/jquery-3.4.1.js"></script>
  <link rel="stylesheet" type="text/css" href="css/style.css">
</head>
<body>

<button>Mostrar funcionários</button>

<br /><br />

<ul></ul>

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

</body>
</html>
```

## aula-4/js/app.js

```
$(document).ready(function(){
  $("button").click(function(){
    $.getJSON("dados.json", function(dados){
      console.log(dados);
      $.each(dados.funcionarios, function(index, obj){
        $("ul").append("<li>" + obj.nome + ": " + obj.salario + "</li>");
      });
    });
  });
});
```

## aula-4/dados.json

```
{ "funcionarios" :  
  [  
    {  
      "nome": "Luis",  
      "salario": 1000  
    },  
    {  
      "nome": "Carmen",  
      "salario": 1800  
    },  
    {  
      "nome": "Lucero",  
      "salario": 1500  
    },  
    {  
      "nome": "Daniel",  
      "salario": 2000  
    }  
  ]  
}
```

The screenshot shows a web browser window with the address bar displaying `localhost/ajax_jquery-codigomentor/aula-4/`. The browser's developer tools are open, showing the Console tab. The console displays the following JSON data:

```
{funcionarios: Array(4)}  
  funcionarios: Array(4)  
    0: {nome: "Luis", salario: 1000}  
    1: {nome: "Carmen", salario: 1800}  
    2: {nome: "Lucero", salario: 1500}  
    3: {nome: "Daniel", salario: 2000}  
    length: 4  
    __proto__: Array(0)
```

Below the JSON data, the console shows a message: `XHR finished loading: GET "http://localhost/ajax_jquery-codigomentor/aula_jquery-3.4.1.js:9837-4/dados.json".`

On the left side of the browser window, there is a button labeled "Mostrar funcionários" and a list of employees:

- Luis: 1000
- Carmen: 1800
- Lucero: 1500
- Daniel: 2000



## Aula 5 - \$.getJSON() - Parte 2

### aula-5/index.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <title>Aula 5 - $.getJSON() - Parte 2</title>
  <script type="text/javascript" src="js/jquery-3.4.1.js"></script>
  <link rel="stylesheet" type="text/css" href="css/style.css">
</head>
<body>

<button>Idade menor</button>

<br /><br />

<div id="info"></div>

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

</body>
</html>
```

### aula-5/js/app.js

```
$(document).ready(function(){
  $("button").click(function(){
    $.getJSON("dados.json", function(dados){
      console.log(dados);
      var pessoas = [];
      var idadeMenor;

      $.each(dados, function(index, obj){
        pessoas.push(obj.idade);
        idadeMenor = pessoas[0];

        $.each(pessoas, function(index, idade){
          if(idade < idadeMenor){
            idadeMenor = idade;
          }
        });
      });

      $("#info").text("A menor idade é " + idadeMenor);

    });
  });
});
```

## aula-5/dados.json

```
[
  {
    "nome": "Luis",
    "sobrenome": "Gomez",
    "idade": 25
  },
  {
    "nome": "Carmen",
    "sobrenome": "Lopez",
    "idade": 20
  },
  {
    "nome": "Lucero",
    "sobrenome": "Perez",
    "idade": 18
  },
  {
    "nome": "Daniel",
    "sobrenome": "Ruiz",
    "idade": 21
  }
]
```

The screenshot shows a web browser window with the address bar displaying `localhost/ajax_jquery-codigomentor/aula-5/`. The page content includes a button labeled "Idade menor" and a text output "A menor idade é 18". The browser's developer console is open, showing a log entry for `app.js:4` with a message: `(4) [{}], {}, {}, {}`. The expanded log shows an array of 4 objects, each representing a person with their name, surname, and age. The ages are 25, 20, 18, and 21. The console also shows a message from XHR: `XHR finished loading: GET "http://localhost/ajax_jquery-codigomentor/aula_jquery-3.4.1.js:9837-5/dados.json".`

Idade menor

A menor idade é 18

Console Log:

```
(4) [{}], {}, {}, {}
  0: {nome: "Luis", sobrenome: "Gomez", idade: 25}
  1: {nome: "Carmen", sobrenome: "Lopez", idade: 20}
  2: {nome: "Lucero", sobrenome: "Perez", idade: 18}
  3: {nome: "Daniel", sobrenome: "Ruiz", idade: 21}
  length: 4
  __proto__: Array(0)

  XHR finished loading: GET "http://localhost/ajax_jquery-codigomentor/aula_jquery-3.4.1.js:9837-5/dados.json".
```

# Aula 6 - \$.ajax

## aula-6/index.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <title>Aula 6 - $.ajax()</title>
  <script type="text/javascript" src="js/jquery-3.4.1.js"></script>
  <link rel="stylesheet" type="text/css" href="css/style.css">
</head>
<body>

<button>Clicar</button>

<br /><br />

<div id="info"></div>

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

</body>
</html>
```

## aula-6/js/app.js

```
$(document).ready(function(){
  $("button").click(function(){
    $.ajax({
      url: "dados.json",
      type: "GET",
      dataType: "json",
      success: function(dados){
        if($("#info").is(":empty")){
          console.log(dados);
          $.each(dados, function(index, obj){
            $("#info").append(obj.nome + " " + obj.sobrenome + "<br />");
          });
        }
      },
      error: function(xhr, status, error){
        console.log(xhr);
        console.log(status);
        console.log(error);
      }
    })
  })
});
```

## aula-6/dados.json

```
[
  {
    "nome": "Luis",
    "sobrenome": "Gomez",
    "idade": 25
  },
  {
    "nome": "Carmen",
    "sobrenome": "Lopez",
    "idade": 20
  },
  {
    "nome": "Lucero",
    "sobrenome": "Perez",
    "idade": 18
  },
  {
    "nome": "Daniel",
    "sobrenome": "Ruiz",
    "idade": 21
  }
]
```

The screenshot shows a web browser with a single button labeled "Clicar". Below the button, the following text is displayed:

Luis Gomez  
Carmen Lopez  
Lucero Perez  
Daniel Ruiz

The browser's developer console is open, showing the following log entry:

```
(4) [({-}, {-}, {-}, {-})]
  0: {nome: "Luis", sobrenome: "Gomez", idade: 25}
  1: {nome: "Carmen", sobrenome: "Lopez", idade: 20}
  2: {nome: "Lucero", sobrenome: "Perez", idade: 18}
  3: {nome: "Daniel", sobrenome: "Ruiz", idade: 21}
  length: 4
  __proto__: Array(0)
```

Below the log entry, the console shows the message: "XHR finished loading: GET "<URL>".

# Aula 7 - GET PHP - Enviar dados ao servidor

## aula-7/index.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <title>Aula 7 - GET PHP</title>
  <script type="text/javascript" src="js/jquery-3.4.1.js"></script>
  <link rel="stylesheet" type="text/css" href="css/style.css">
</head>
<body>

<button>Clicar</button>

<input type="text" id="nome">

<br /><br />

<div id="info"></div>

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

</body>
</html>
```

## aula-7/js/app.js

```
$(document).ready(function(){
  $("button").click(function(){
    var usuario = $("#nome").val();
    $.get("servidor.php", {nome: usuario}, function(dado){
      $("#info").text(dado);
    });
  });
});
```

## aula-7/servidor.php

```
<?php

if(isset($_GET['nome'])){
  $usuario = $_GET['nome'];
  echo strtoupper($usuario);
}

?>
```

Aula 7 - GET PHP

localhost/ajax\_jquery-codigomentor/aula-7/

Clicar Manuel Santana

MANUEL SANTANA

Elements Console Sources Network Performance Memory Application

Filter Hide data URLs All XHR JS CSS Img Media Font Doc WS Manifest Other

Name X Headers Preview Response Timing

aula-7/

jquery-3.4.1.js

style.css

app.js

favicon.ico

servidor.php?nome=Manuel%...

Elements Console Sources Network Performance Memory Application Security Audits

Select an element in the page to inspect it Ctrl+Shift+C Online

Filter Hide data URLs All XHR JS CSS Img Media Font Doc WS Manifest Other

Name X Headers Preview Response Timing

aula-7/

jquery-3.4.1.js

style.css

app.js

servidor.php?nome=Manuel%...

General

Request URL: http://localhost/ajax\_jquery-codigomentor/aula-7/servidor.php?nome=Manuel%20Santana

Request Method: GET

Status Code: 200 OK

Remote Address: [::1]:80

Referrer Policy: no-referrer-when-downgrade

Response Headers view source

Connection: Keep-Alive

Content-Length: 14

Content-Type: text/html; charset=UTF-8

Date: Fri, 20 Dec 2019 00:21:47 GMT

Keep-Alive: timeout=5, max=100

Server: Apache/2.4.41 (Win64) OpenSSL/1.0.2s PHP/7.1.33

X-Powered-By: PHP/7.1.33

Elements Console Sources Network Performance Memory Application Security Audits

Filter Hide data URLs All XHR JS CSS Img Media Font Doc WS Manifest Other

Name X Headers Preview Response Timing

aula-7/

jquery-3.4.1.js

style.css

app.js

servidor.php?nome=Manuel%...

Content-type: text/html; charset=UTF-8

Date: Fri, 20 Dec 2019 00:21:47 GMT

Keep-Alive: timeout=5, max=100

Server: Apache/2.4.41 (Win64) OpenSSL/1.0.2s PHP/7.1.33

X-Powered-By: PHP/7.1.33

Request Headers view source

Accept: \*/\*

Accept-Encoding: gzip, deflate, br

Accept-Language: pt-BR,pt;q=0.9,en-US;q=0.8,en;q=0.7

Connection: keep-alive

Host: localhost

Referer: http://localhost/ajax\_jquery-codigomentor/aula-7/

Sec-Fetch-Mode: cors

Sec-Fetch-Site: same-origin

User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/78.0.3994.97 Safari/537.36

X-Requested-With: XMLHttpRequest

Query String Parameters view source view URL encoded

nome: Manuel Santana

5 requests 1.1 KB transferred

## Aula 8 - \$.post() - PHP Formulário

### aula-8/index.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <title>Aula 8 - $.post()</title>
  <script type="text/javascript" src="js/jquery-3.4.1.js"></script>
  <link rel="stylesheet" type="text/css" href="css/style.css">
</head>
<body>

<form>
  <p>Nome: <input type="text" id="nome"></p>
  <p>Sobrenome: <input type="text" id="sobrenome"></p>
  <input type="submit" value="Enviar">
</form>

<br><br>

<div id="info"></div>

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

</body>
</html>
```

### aula-8/js/app.js

```
$(document).ready(function(){
  $("input[type=submit]").click(function(event){
    event.preventDefault();
    var nome = $("#nome").val();
    var sobrenome = $("#sobrenome").val();
    $.post("servidor.php", {nome: nome, sobrenome: sobrenome}, function(resposta){
      $("#info").text(resposta);
    });
  });
});
```

## aula-8/servidor.php

```
<?php
```

```
if(isset($_POST['nome']) && isset($_POST['sobrenome'])){  
    $nome = $_POST['nome'];  
    $sobrenome = $_POST['sobrenome'];  
    echo "Usuário " . $nome . " " . $sobrenome . " foi registrado!";  
}
```

```
?>
```

The screenshot shows a web browser window with the URL `localhost/ajax_jquery-codigomentor/aula-8/`. The form contains two input fields: "Nome: Arnaldo" and "Sobrenome: Silva". Below the fields is an "Enviar" button. The message "Usuário Arnaldo Silva foi registrado!" is displayed below the button. The Network tab in the developer tools is open, showing a list of resources. The resource "aula-8/" is selected, and the response is visible in the "Response" pane: "1 Usuário Arnaldo Silva foi registrado!".

The screenshot shows the Network tab in the developer tools with the resource "aula-8/" selected. The "Headers" pane is open, showing the following details:

- General**
  - Request URL: `http://localhost/ajax_jquery-codigomentor/aula-8/servidor.php`
  - Request Method: `POST`
  - Status Code: `200 OK`
  - Remote Address: `::1:80`
  - Referrer Policy: `no-referrer-when-downgrade`
- Response Headers** (view source)
  - Connection: `Keep-Alive`
  - Content-Length: `38`
  - Content-Type: `text/html; charset=UTF-8`
  - Date: `Fri, 20 Dec 2019 00:15:01 GMT`
  - Keep-Alive: `timeout=5, max=100`
  - Server: `Apache/2.4.41 (Win64) OpenSSL/1.0.2s PHP/7.1.33`
  - X-Powered-By: `PHP/7.1.33`



The screenshot shows the Chrome DevTools Network tab. The left sidebar lists several resources, with 'aula-8/' selected. The main panel displays the 'Headers' tab for this resource. The headers are as follows:

- X-Powered-By:** PHP/7.1.33
- Request Headers:**
  - Accept:** \*/\*
  - Accept-Encoding:** gzip, deflate, br
  - Accept-Language:** pt-BR,pt;q=0.9,en-US;q=0.8,en;q=0.7
  - Connection:** keep-alive
  - Content-Length:** 28
  - Content-Type:** application/x-www-form-urlencoded; charset=UTF-8
  - Host:** localhost
  - Origin:** http://localhost
  - Referer:** http://localhost/ajax\_jquery-codigomentor/aula-8/?
  - Sec-Fetch-Mode:** cors
  - Sec-Fetch-Site:** same-origin
  - User-Agent:** Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/78.0.3904.97 Safari/537.36
  - X-Requested-With:** XMLHttpRequest
- Form Data:**
  - nome:** Arnaldo
  - sobrenome:** Silva

At the bottom of the Network tab, it shows '6 requests' and '31.2 KB transferred'.

## Aula 9 - \$.post() - PHP Formulário done fail e always

### aula-9/index.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <title>Aula 9 - $.post() done, fail e always</title>
  <script type="text/javascript" src="js/jquery-3.4.1.js"></script>
  <link rel="stylesheet" type="text/css" href="css/style.css">
</head>
<body>

<form>
  <p>Nome: <input type="text" id="nome"></p>
  <p>Sobrenome: <input type="text" id="sobrenome"></p>
  <input type="submit" value="Enviar">
</form>

<br>

<div id="info"></div>
<div id="mensagem"></div>

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

</body>
</html>
```

### aula-9/js/app.js

```
$(document).ready(function(){
  $("input[type=submit]").click(function(event){
    event.preventDefault();
    var nome = $("#nome").val();
    var sobrenome = $("#sobrenome").val();
    $.post("servidor.php", {nome: nome, sobrenome: sobrenome}, function(resposta){
      $("#info").text(resposta);
    }).done(function(){
      $("#mensagem").text("Registro realizado com sucesso!");
    }).fail(function(){
      $("#mensagem").text("Ocorreu um erro!");
    });
  });
});
```

## aula-9/servidor.php

```
<?php
```

```
if(isset($_POST['nome']) && isset($_POST['sobrenome'])){  
    $nome = $_POST['nome'];  
    $sobrenome = $_POST['sobrenome'];  
    echo "Usuário " . $nome . " " . $sobrenome . " foi registrado!";  
}
```

```
?>
```

Nome:

Sobrenome:

Usuário José Alves foi registrado!  
Registro realizado com sucesso!

Console: Execução finalizada! XHR finished loading: POST "http://localhost/ajax\_jquery-codigomentor/aula-9/servidor.php".

Nome:

Sobrenome:

Ocorreu um erro!

Console: Execução finalizada! XHR failed loading: POST "http://localhost/ajax\_jquery-codigomentor/aula-9/servidor1.php". 404 (Not Found)

Nome:

Sobrenome:

Ocorreu um erro!

Network: Request to 'servidor1.php' failed with status 404 Not Found.

Name	Headers	Preview	Response	Timing
aula-9/				
jquery-3.4.1.js				
style.css				
app.js				
favicon.ico				
<b>servidor1.php</b>	<b>General</b> Request URL: http://localhost/ajax_jquery-codigomentor/aula-9/servidor1.php Request Method: POST Status Code: 404 Not Found Remote Address: [::1]:80 Referrer Policy: no-referrer-when-downgrade			

Response Headers:  
Accept-Ranges: bytes  
Connection: Keep-Alive  
Content-Language: pt-br  
Content-Type: text/html; charset=utf-8  
Date: Fri, 20 Dec 2019 00:58:27 GMT  
Keep-Alive: timeout=5, max=100  
Server: Apache/2.4.41 (win64) OpenSSL/1.0.2s PHP/7.1.33  
Transfer-Encoding: chunked  
Vary: accept-language, accept-charset