

Vue JS do jeito ninja - Aulas 1 a 15

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<https://www.youtube.com/watch?v=07-TvnH7XNo&list=PLcoYAcR89n-qq1vGRbaUiV6Q9puy0qigW>

Resumo do curso feito por Roberto Pinheiro

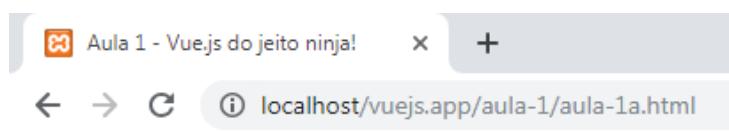
Aula 1 - Instalando Vue.js e reatividade

Diretório:

[vuejs.app/aula-1](#)

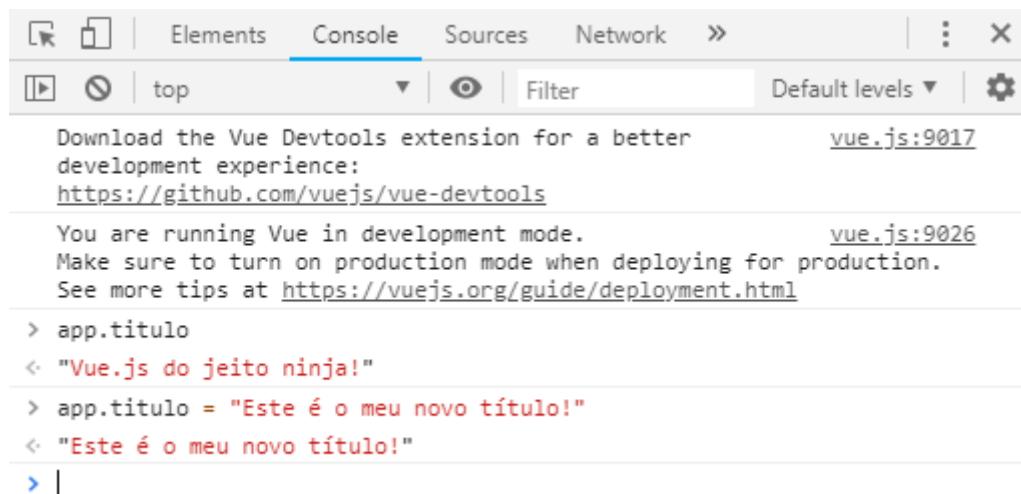
aula-1/aula-1a.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
    <meta charset="UTF-8">
    <title>Aula 1 - Vue.js do jeito ninja!</title>
</head>
<body>
    <div id="app">
        <h1>{{ titulo }}</h1>
    </div>
    <script src="https://cdn.jsdelivr.net/npm/vue/dist/vue.js"></script>
    <script>
        var app = new Vue({
            el: "#app",
            data: {
                titulo: "Vue.js do jeito ninja!"
            }
        });
    </script>
</body>
</html>
```



Vue.js do jeito ninja!

Utilizando o Google Chrome, clique na tecla **<F12>**, e na aba **Console**, entre com:

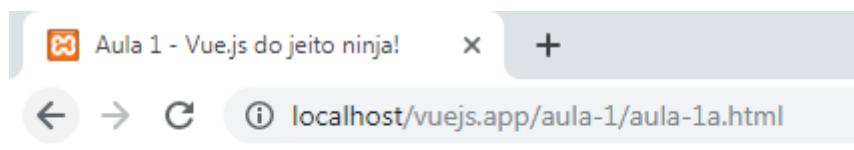


The screenshot shows the Google Chrome DevTools interface with the 'Console' tab selected. It displays the following messages and command history:

```
Download the Vue Devtools extension for a better           vue.js:9017
development experience:
https://github.com/vuejs/vue-devtools

You are running Vue in development mode.                   vue.js:9026
Make sure to turn on production mode when deploying for production.
See more tips at https://vuejs.org/guide/deployment.html

> app.titulo
< "Vue.js do jeito ninja!"
> app.titulo = "Este é o meu novo título!"
< "Este é o meu novo título!"
> |
```



Este é o meu novo título!

Aula 2 - Diretivas no Vue.js

Diretivas basicamente são extensões da linguagem HTML que permitem a implementação de comportamentos.

Ou seja, elas facilitam o trabalho fazendo com que você faça coisas que seria preciso escrever muito javascript por exemplo.

O trabalho de uma diretiva é aplicar reativamente efeitos colaterais ao DOM, ou seja, realizar algum efeito quando o valor da expressão é modificado.

Adicionalmente ao conjunto de diretivas incluídas em seu núcleo (v-model e v-show), Vue permite que você crie suas próprias diretivas personalizadas.

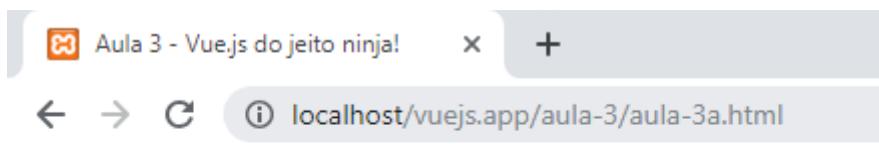
No Vue.js, a diretiva começa sempre com **v-**

Aula 3 - Diretivas v-show, v-if, v-else

aula-3/aula-3a.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <title>Aula 3 - Vue JS do jeito ninja!</title>
</head>
<body>
  <div id="app">
    <h1 v-if="status">{{ titulo }}</h1>
  </div>
  <script src="https://cdn.jsdelivr.net/npm/vue/dist/vue.js"></script>
  <script>
    var app = new Vue({
      el: "#app",
      data: {
        status: false,
        titulo: "Vue JS do jeito ninja!"
      }
    });
  </script>

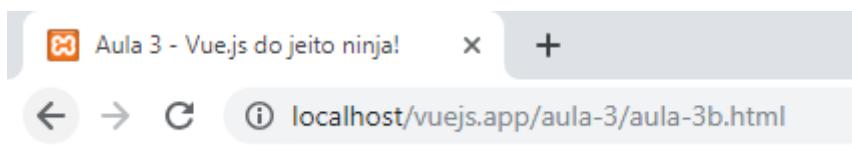
</body>
</html>
```



aula-3/aula3b.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <title>Aula 3 - Vue JS do jeito ninja!</title>
</head>
<body>
  <div id="app">
    <h1 v-if="status">{{ titulo }}</h1>
  </div>
  <script src="https://cdn.jsdelivr.net/npm/vue/dist/vue.js"></script>
  <script>
    var app = new Vue({
      el: "#app",
      data: {
        status: true,
        titulo: "Vue JS do jeito ninja!"
      }
    });
  </script>

</body>
</html>
```

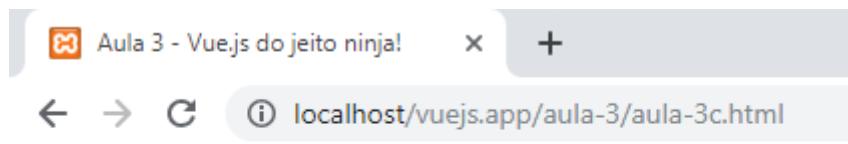


Vue.js do jeito ninja!

aula-3/aula3c.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <title>Aula 3 - Vue JS do jeito ninja!</title>
</head>
<body>
  <div id="app">
    <h1 v-show="status">{{ titulo }}</h1>
  </div>
  <script src="https://cdn.jsdelivr.net/npm/vue/dist/vue.js"></script>
  <script>
    var app = new Vue({
      el: "#app",
      data: {
        status: false,
        titulo: "Vue JS do jeito ninja!"
      }
    });
  </script>

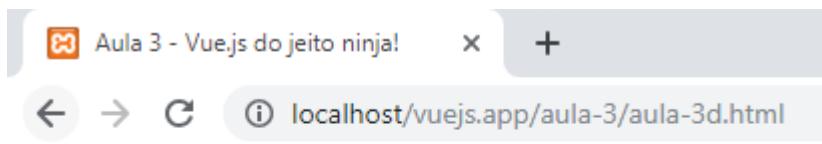
</body>
</html>
```



aula-3/aula3d.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <title>Aula 3 - Vue JS do jeito ninja!</title>
</head>
<body>
  <div id="app">
    <h1 v-show="status">{{ titulo }}</h1>
  </div>
  <script src="https://cdn.jsdelivr.net/npm/vue/dist/vue.js"></script>
  <script>
    var app = new Vue({
      el: "#app",
      data: {
        status: true,
        titulo: "Vue JS do jeito ninja!"
      }
    });
  </script>

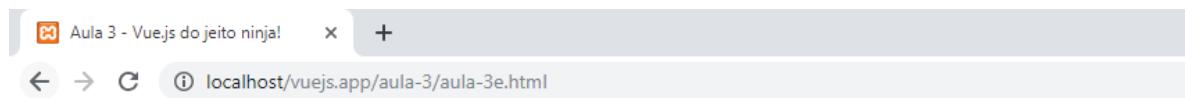
</body>
</html>
```



Vue.js do jeito ninja!

aula-3/aula3e.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
    <meta charset="UTF-8">
    <title>Aula 3 - Vue.js do jeito ninja!</title>
</head>
<body>
    <div id="app">
        <h1>{{ titulo }}</h1>
        <p v-show="texto">Lorem ipsum dolor sit amet consectetur adipiscing, elit habitant penatibus orci nascetur nec, ex etiam ultrices lectus felis. Suspendisse a vehicula dis bibendum massa cursus semper eros pretium aptent, nam quis conubia viverra interdum netus ornare praesent facilisi commodo, malesuada accumsan tempus et elementum lectus fames ex neque. Hendrerit adipiscing finibus potenti cubilia torquent pulvinar a cras fames vestibulum tempus, cursus mollis auctor nisl quam netus posuere tincidunt arcu elit. Donec magna sociosqu arcu torquent felis cras ornare rhoncus augue, cubilia vitae congue orci porttitor eleifend tristique netus, mattis dis eget aenean vehicula convallis a imperdiet. Conubia ridiculus lectus imperdiet cubilia hac dapibus dui adipiscing cursus, tempus venenatis donec neque suspendisse commodo litora hendrerit ornare, pretium sit senectus facilisis morbi nisl pharetra taciti.</p>
    </div>
    <script src="https://cdn.jsdelivr.net/npm/vue/dist/vue.js"></script>
    <script>
        var app = new Vue({
            el: "#app",
            data: {
                texto: true,
                titulo: "Vue.js do jeito ninja!"
            }
        });
    </script>
</body>
</html>
```



Vue.js do jeito ninja!

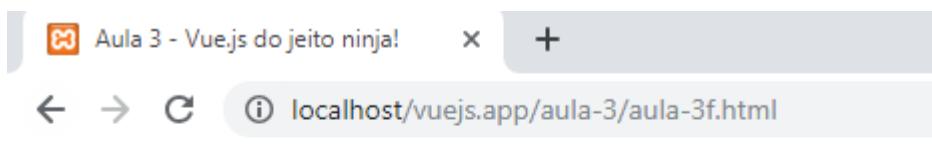
Lorem ipsum dolor sit amet consectetur adipiscing, elit habitant penatibus orci nascetur nec, ex etiam ultrices lectus felis. Suspendisse a vehicula dis bibendum massa cursus semper eros pretium aptent, nam quis conubia viverra interdum netus ornare praesent facilisi commodo, malesuada accumsan tempus et elementum lectus fames ex neque. Hendrerit adipiscing finibus potenti cubilia torquent pulvinar a cras fames vestibulum tempus, cursus mollis auctor nisl quam netus posuere tincidunt arcu elit. Donec magna sociosqu arcu torquent felis cras ornare rhoncus augue, cubilia vitae congue orci porttitor eleifend tristique netus, mattis dis eget aenean vehicula convallis a imperdiet. Conubia ridiculus lectus imperdiet cubilia hac dapibus dui adipiscing cursus, tempus venenatis donec neque suspendisse commodo litora hendrerit ornare, pretium sit senectus facilisis morbi nisl pharetra taciti.

aula-3/aula3f.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
    <meta charset="UTF-8">
    <title>Aula 3 - Vue.js do jeito ninja!</title>
</head>
<body>
    <div id="app">
        <h1>{{ titulo }}</h1>
        <p v-show="texto">Lorem ipsum dolor sit amet consectetur adipiscing, elit habitant penatibus
        orci nascetur nec, ex etiam ultrices lectus felis. Suspendisse a vehicula dis bibendum massa cursus
        semper eros pretium aptent, nam quis conubia viverra interdum netus ornare praesent facilisi
        commodo, malesuada accumsan tempus et elementum lectus fames ex neque. Hendrerit adipiscing
        finibus potenti cubilia torquent pulvinar a cras fames vestibulum tempus, cursus mollis auctor nisl
        quam netus posuere tincidunt arcu elit. Donec magna sociosqu arcu torquent felis cras ornare
        rhoncus augue, cubilia vitae congue orci porttitor eleifend tristique netus, mattis dis eget aenean
        vehicula convallis a imperdiet. Conubia ridiculus lectus imperdiet cubilia hac dapibus dui adipiscing
        cursus, tempus venenatis donec neque suspendisse commodo litora hendrerit ornare, pretium sit
        senectus facilisis morbi nisl pharetra taciti.</p>
    </div>
    <script src="https://cdn.jsdelivr.net/npm/vue/dist/vue.js"></script>
    <script>
        var app = new Vue({
            el: "#app",
            data: {
                texto: false,
                titulo: "Vue.js do jeito ninja!"
            }
        });
    </script>
</body>
</html>
```

The screenshot shows the Chrome DevTools Elements tab. The DOM tree is displayed with the following structure:

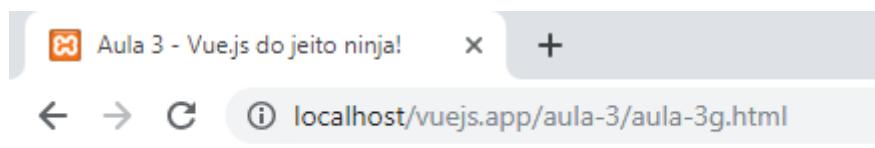
```
<!doctype html>
<html lang="pt-br">
  <head>...</head>
  <body>
    ... <div id="app"> == $0
      <h1>Vue.js do jeito ninja!</h1>
      <p style="display: none;">
        "Lorem ipsum dolor sit amet consectetur adipiscing, elit habitant
        penatibus orci nascetur nec, ex etiam ultrices lectus felis.
        Suspendisse a vehicula dis bibendum massa cursus semper eros
        pretium aptent, nam quis conubia viverra interdum netus ornare
        praesent facilisi commodo, malesuada accumsan tempus et elementum
        lectus fames ex neque. Hendrerit adipiscing finibus potenti
        cubilia torquent pulvinar a cras fames vestibulum tempus, cursus
        mollis auctor nisl quam netus posuere tincidunt arcu elit. Donec
        magna sociosqu arcu torquent felis cras ornare rhoncus augue,
        cubilia vitae congue orci porttitor eleifend tristique netus,
        mattis dis eget aenean vehicula convallis a imperdiet. Conubia
        ridiculus lectus imperdiet cubilia hac dapibus dui adipiscing
        cursus, tempus venenatis donec neque suspendisse commodo litora
        hendrerit ornare, pretium sit senectus facilisis morbi nisl
        pharetra taciti."
      </p>
    </div>
  </body>
</html>
```



Vue.js do jeito ninja!

aula-3/aula3g.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
    <meta charset="UTF-8">
    <title>Aula 3 - Vue.js do jeito ninja!</title>
</head>
<body>
    <div id="app">
        <h1>{{ titulo }}</h1>
        <p v-if="texto">Lorem ipsum dolor sit amet consectetur adipiscing, elit habitant penatibus orci nascetur nec, ex etiam ultrices lectus felis. Suspendisse a vehicula dis bibendum massa cursus semper eros pretium aptent, nam quis conubia viverra interdum netus ornare praesent facilisi commodo, malesuada accumsan tempus et elementum lectus fames ex neque. Hendrerit adipiscing finibus potenti cubilia torquent pulvinar a cras fames vestibulum tempus, cursus mollis auctor nisl quam netus posuere tincidunt arcu elit. Donec magna sociosqu arcu torquent felis cras ornare rhoncus augue, cubilia vitae congue orci porttitor eleifend tristique netus, mattis dis eget aenean vehicula convallis a imperdiet. Conubia ridiculus lectus imperdiet cubilia hac dapibus dui adipiscing cursus, tempus venenatis donec neque suspendisse commodo litora hendrerit ornare, pretium sit senectus facilisis morbi nisl pharetra taciti.</p>
        <p v-else>Não há textos a serem apresentados!</p>
    </div>
    <script src="https://cdn.jsdelivr.net/npm/vue/dist/vue.js"></script>
    <script>
        var app = new Vue({
            el: "#app",
            data: {
                texto: false,
                titulo: "Vue.js do jeito ninja!"
            }
        });
    </script>
</body>
</html>
```



Vue.js do jeito ninja!

Não há textos a serem apresentados!

aula-3/aula3h.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
    <meta charset="UTF-8">
    <title>Aula 3 - Vue.js do jeito ninja!</title>
</head>
<body>
    <div id="app">
        <h1>{{ titulo }}</h1>
        <p v-if="texto">Lorem ipsum dolor sit amet consectetur adipiscing, elit habitant penatibus orci nascetur nec, ex etiam ultrices lectus felis. Suspendisse a vehicula dis bibendum massa cursus semper eros pretium aptent, nam quis conubia viverra interdum netus ornare praesent facilisi commodo, malesuada accumsan tempus et elementum lectus fames ex neque. Hendrerit adipiscing finibus potenti cubilia torquent pulvinar a cras fames vestibulum tempus, cursus mollis auctor nisl quam netus posuere tincidunt arcu elit. Donec magna sociosqu arcu torquent felis cras ornare rhoncus augue, cubilia vitae congue orci porttitor eleifend tristique netus, mattis dis eget aenean vehicula convallis a imperdiet. Conubia ridiculus lectus imperdiet cubilia hac dapibus dui adipiscing cursus, tempus venenatis donec neque suspendisse commodo litora hendrerit ornare, pretium sit senectus facilisis morbi nisl pharetra taciti.</p>
        <p v-else>Não há textos a serem apresentados!</p>
    </div>
    <script src="https://cdn.jsdelivr.net/npm/vue/dist/vue.js"></script>
    <script>
        var app = new Vue({
            el: "#app",
            data: {
                texto: true,
                titulo: "Vue.js do jeito ninja!"
            }
        });
    </script>
</body>
</html>
```



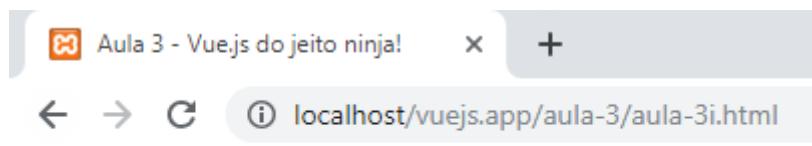
Vue.js do jeito ninja!

Lorem ipsum dolor sit amet consectetur adipiscing, elit habitant penatibus orci nascetur nec, ex etiam ultrices lectus felis. Suspendisse a vehicula dis bibendum massa cursus semper eros pretium aptent, nam quis conubia viverra interdum netus ornare praesent facilisi commodo, malesuada accumsan tempus et elementum lectus fames ex neque. Hendrerit adipiscing finibus potenti cubilia torquent pulvinar a cras fames vestibulum tempus, cursus mollis auctor nisl quam netus posuere tincidunt arcu elit. Donec magna sociosqu arcu torquent felis cras ornare rhoncus augue, cubilia vitae congue orci porttitor eleifend tristique netus, mattis dis eget aenean vehicula convallis a imperdiet. Conubia ridiculus lectus imperdiet cubilia hac dapibus dui adipiscing cursus, tempus venenatis donec neque suspendisse commodo litora hendrerit ornare, pretium sit senectus facilisis morbi nisl pharetra taciti.

aula-3/aula3i.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <title>Aula 3 - Vue.js do jeito ninja!</title>
</head>
<body>
  <div id="app">
    <h1>{{ titulo }}</h1>
    <div>
      Id: {{ usuario.id }}<br>
      Nome: {{ usuario.nome }}<br>
      Profissao: {{ usuario.profissao }}<br>
    </div>
  </div>
  <script src="https://cdn.jsdelivr.net/npm/vue/dist/vue.js"></script>

  <script>
    var app = new Vue({
      el: "#app",
      data: {
        titulo: "Vue.js do jeito ninja!",
        usuario: {
          id: 1,
          nome: 'Jon Snow',
          profissao: 'Ator'
        }
      }
    });
  </script>
</body>
</html>
```



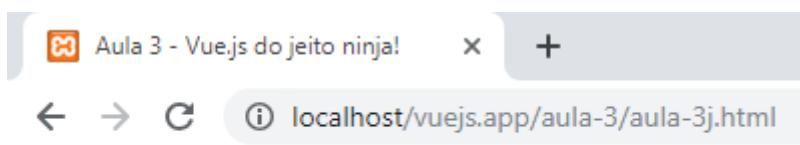
Vue.js do jeito ninja!

Id: 1
Nome: Jon Snow
Profissao: Ator

aula-3/aula3j.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
    <meta charset="UTF-8">
    <title>Aula 3 - Vue.js do jeito ninja!</title>
</head>
<body>
    <div id="app">
        <h1>{{ titulo }}</h1>
        <div v-if="usuario.id==1">
            Id: {{usuario.id}}<br>
            Nome: {{usuario.nome}}<br>
            Profissao: {{usuario.profissao}}
        </div>
    </div>
    <script src="https://cdn.jsdelivr.net/npm/vue/dist/vue.js"></script>

    <script>
        var app = new Vue({
            el: "#app",
            data: {
                titulo: "Vue.js do jeito ninja!",
                usuario: {
                    id: 1,
                    nome: 'Jon Snow',
                    profissao: 'Ator'
                }
            }
        });
    </script>
</body>
</html>
```



Vue.js do jeito ninja!

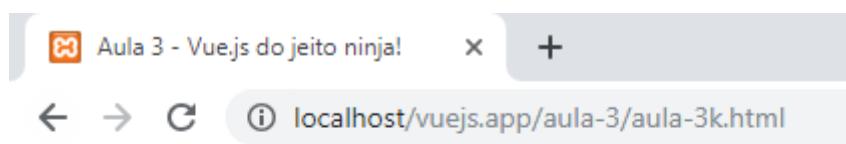
Id: 1
Nome: Jon Snow
Profissao: Ator

aula-3/aula3k.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <title>Aula 3 - Vue.js do jeito ninja!</title>
</head>
<body>
  <div id="app">
    <h1>{{ titulo }}</h1>
    <div v-if="usuario.id==1">
      Id: {{usuario.id}}<br>
      Nome: {{usuario.nome}}<br>
      Profissao: {{usuario.profissao}}
    </div>
    <div v-else>
      Nenhum usuário com Id = {{usuario.id}}
    </div>
  </div>

  <script src="https://cdn.jsdelivr.net/npm/vue/dist/vue.js"></script>

  <script>
    var app = new Vue({
      el: "#app",
      data: {
        titulo: "Vue.js do jeito ninja!",
        usuario: {
          id: 2,
          nome: 'Jon Snow',
          profissao: 'Ator'
        }
      }
    });
  </script>
</body>
</html>
```



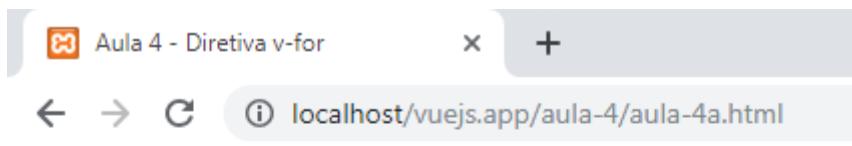
Vue.js do jeito ninja!

Nenhum usuário com Id = 2

Aula 4 - Diretiva v-for

aula-4/aula4a.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
    <meta charset="UTF-8">
    <title>Aula 4 - Diretiva v-for</title>
</head>
<body>
    <div id="app">
        <h1>{{ titulo }}</h1>
        <ul>
            <li v-for="item in linguagens">
                {{ item }}
            </li>
        </ul>
    </div>
    <script src="https://cdn.jsdelivr.net/npm/vue/dist/vue.js"></script>
    <script>
        var app = new Vue({
            el: "#app",
            data: {
                titulo: "Vue.js do jeito ninja!",
                linguagens: [
                    {nome: "Javascrip"}, 
                    {nome: "PHP"}, 
                    {nome: "C#"}, 
                    {nome: "Java"}, 
                    {nome: "Python"}]
            }
        });
    </script>
</body>
</html>
```

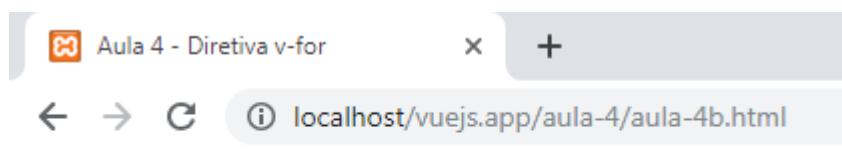


Vue.js do jeito ninja!

- { "nome": "Javascript" }
- { "nome": "PHP" }
- { "nome": "C#" }
- { "nome": "Java" }
- { "nome": "Python" }

aula-4/aula4b.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
    <meta charset="UTF-8">
    <title>Aula 4 - Diretiva v-for</title>
</head>
<body>
    <div id="app">
        <h1>{{ titulo }}</h1>
        <ul>
            <li v-for="item in linguagens">
                {{ item.nome }}
            </li>
        </ul>
    </div>
    <script src="https://cdn.jsdelivr.net/npm/vue/dist/vue.js"></script>
    <script>
        var app = new Vue({
            el: "#app",
            data: {
                titulo: "Vue.js do jeito ninja!",
                linguagens: [
                    {nome: "Javascript"},
                    {nome: "PHP"},
                    {nome: "C#"},
                    {nome: "Java"},
                    {nome: "Python"}
                ]
            }
        });
    </script>
</body>
</html>
```

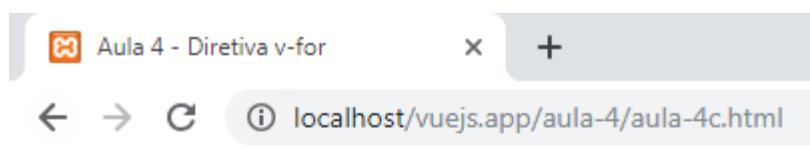


Vue.js do jeito ninja!

- Javascript
- PHP
- C#
- Java
- Python

aula-4/aula4c.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
    <meta charset="UTF-8">
    <title>Aula 4 - Diretiva v-for</title>
</head>
<body>
    <div id="app">
        <h1>{{ titulo }}</h1>
        <ul>
            <li v-for="(item, index) in linguagens">
                {{ index }} - {{ item.nome }}
            </li>
        </ul>
    </div>
    <script src="https://cdn.jsdelivr.net/npm/vue/dist/vue.js"></script>
    <script>
        var app = new Vue({
            el: "#app",
            data: {
                titulo: "Vue.js do jeito ninja!",
                linguagens: [
                    {nome: "Javascript"},
                    {nome: "PHP"},
                    {nome: "C#"},
                    {nome: "Java"},
                    {nome: "Python"}
                ]
            }
        });
    </script>
</body>
</html>
```



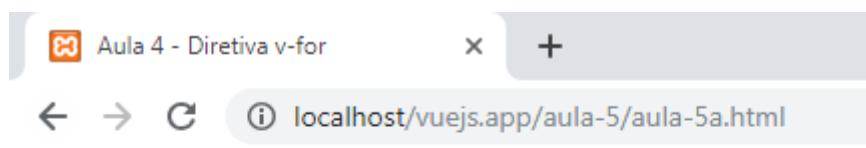
Vue.js do jeito ninja!

- 0 - Javascript
- 1 - PHP
- 2 - C#
- 3 - Java
- 4 - Python

Aula 5 - Diretiva v-model

aula-5/aula5a.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <title>Aula 4 - Diretiva v-for</title>
</head>
<body>
  <div id="app">
    <h1>{{ titulo }}</h1>
    <input type="text" v-model="nome" value="{{ nome }}>
  </div>
  <script src="https://cdn.jsdelivr.net/npm/vue/dist/vue.js"></script>
  <script>
    var app = new Vue({
      el: "#app",
      data: {
        titulo: "Vue.js do jeito ninja!",
        nome: ""
      }
    });
  </script>
</body>
</html>
```



Vue.js do jeito ninja!

Roberto Pinheiro Roberto Pinheiro

aula-5/aula5a.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
    <meta charset="UTF-8">
    <title>Aula 5 - Diretiva v-model</title>
</head>
<body>
    <div id="app">
        <h1>{{ titulo }}</h1>

        <label for="nome">Nome: </label>
        <input type="text" id="nome" v-model="nome"><br><br>

        <label for="telefone">Telefone: </label>
        <input type="text" id="telefone" v-model="telefone"><br><br>

        <label for="">Deseja receber nossas novidades? </label><br>
        <input type="radio" value="Sim" v-model="novidades">Sim
        <input type="radio" value="Não" v-model="novidades">Não

        <br><br>

        <label for="">Como nos conheceu? </label><br>
        <select v-model="conheceu">
            <option v-model="conheceu" value="">Escolha</option>
            <option v-model="conheceu" value="Google">Google</option>
            <option v-model="conheceu" value="TV">TV</option>
            <option v-model="conheceu" value="Revista">Revista</option>
        </select>

        <br><br>
        <label for="">Interesses: </label><br>
        <input type="checkbox" value="Futebol" v-model="interesses">Futebol <br>
        <input type="checkbox" value="Fórmula 1" v-model="interesses">Fórmula 1<br>
        <input type="checkbox" value="Corrida" v-model="interesses">Corrida

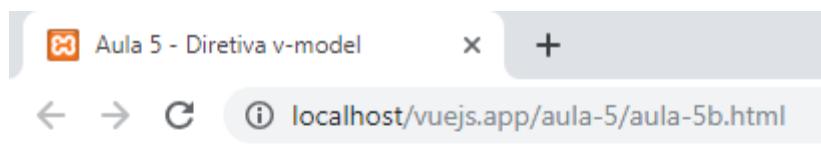
        <br><br>

        <button>Enviar</button>

        <br><br>
        <hr>
        <br>

        <ul>
            <li>Nome: {{ nome }}</li>
            <li>Telefone: {{ telefone }}</li>
            <li>Novidades: {{ novidades }}</li>
            <li>Interesses: {{ interesses }}</li>
            <li>Como nos conheceu?: {{ conhecido }}</li>
        </ul>
    </div>
    <script src="https://cdn.jsdelivr.net/npm/vue/dist/vue.js"></script>
```

```
<script>
  var app = new Vue({
    el: "#app",
    data: {
      titulo: "Vue.js do jeito ninja!",
      nome: "",
      telefone: "",
      novidades: "",
      interesses: [],
      conheceu: ""
    }
  });
</script>
</body>
</html>
```



Vue.js do jeito ninja!

Nome: Roberto Pinheiro

Telefone: 99900=1122

Deseja receber nossas novidades?

Sim Não

Como nos conheceu?

Google ▾

Interesses:

- Futebol
- Fórmula 1
- Corrida

-
- Nome: Roberto Pinheiro
 - Telefone: 99900=1122
 - Novidades: Sim
 - Interesses: ["Futebol", "Fórmula 1", "Corrida"]
 - Como nos conheceu?: Google

Aula 6 - Diretiva v-bind

aula-6/aula6a.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <title>Diretiva v-bind</title>
</head>
<body>
  <div id="app">
    <h1>{{ titulo }}</h1>
    
  </div>
  <script src="https://cdn.jsdelivr.net/npm/vue/dist/vue.js"></script>
  <script>
    var app = new Vue({
      el: "#app",
      data: {
        titulo: "Vue.js do jeito ninja!",
        imagem: "vue-js.jpg",
        alt: "Vue.js is awesome!"
      }
    });
  </script>
</body>
</html>
```



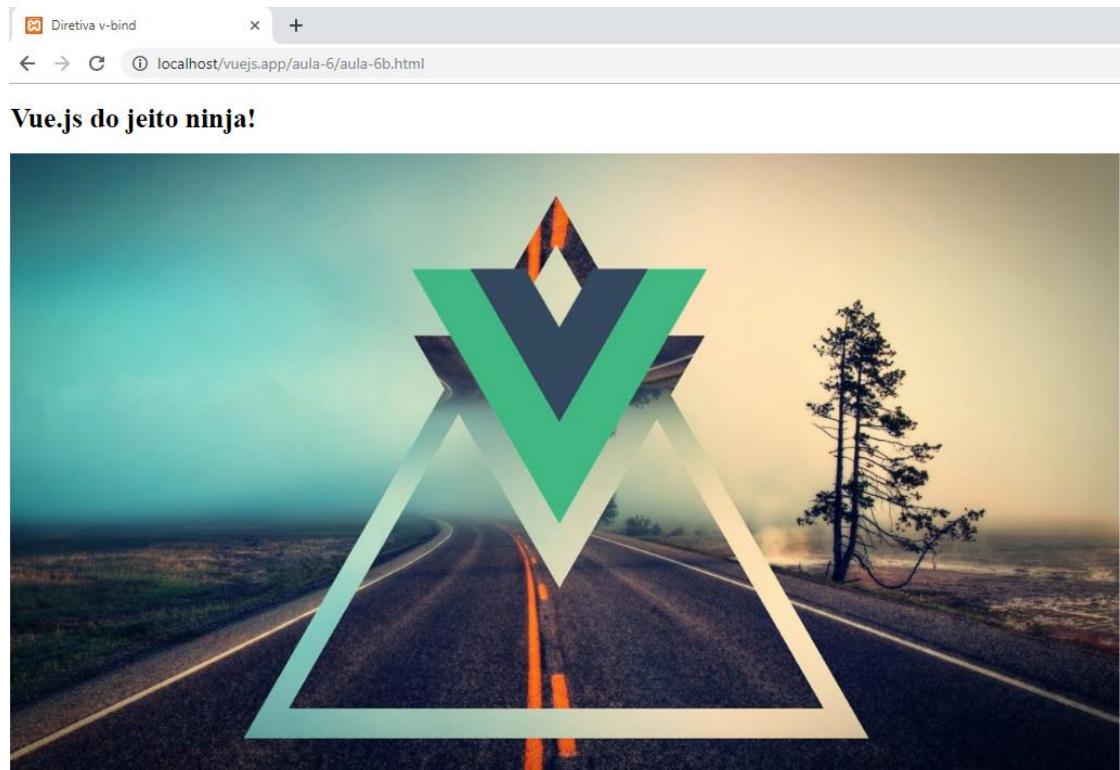
Vue.js do jeito ninja!



```
Elements Console Sources Network > ① 3 | ⋮ X
<!doctype html>
<html lang="pt-br">
  <head>...</head>
  <body>
    <div id="app"> == $0
      <h1>Vue.js do jeito ninja!</h1>
      
    </div>
    <script src="https://cdn.jsdelivr.net/npm/vue/dist/vue.js"></script>
```

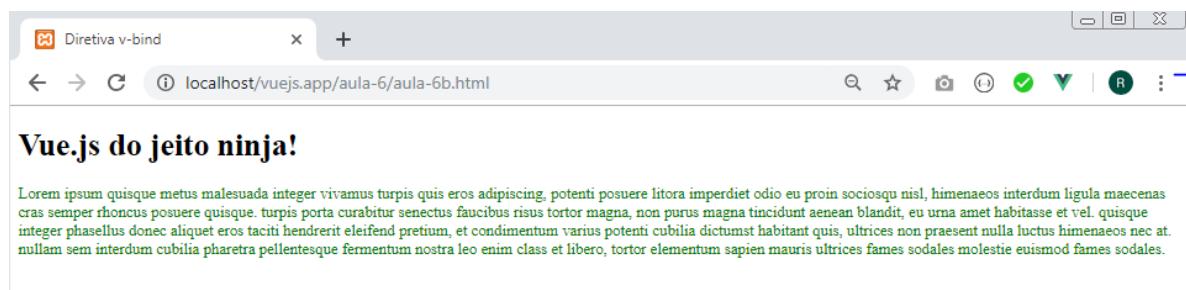
aula-6/aula6b.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <title>Diretiva v-bind</title>
</head>
<body>
  <div id="app">
    <h1>{{ titulo }}</h1>
    
  </div>
  <script src="https://cdn.jsdelivr.net/npm/vue/dist/vue.js"></script>
  <script>
    var app = new Vue({
      el: "#app",
      data: {
        titulo: "Vue.js do jeito ninja!",
        imagem: "vue-js.jpg",
        alt: "Vue.js is awesome!"
      }
    });
  </script>
</body>
</html>
```



aula-6/aula6c.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
    <meta charset="UTF-8">
    <title>Diretiva v-bind</title>
    <style>
        .red{
            color: red;
        }
        .green{
            color: green;
        }
    </style>
</head>
<body>
    <div id="app">
        <h1>{{ titulo }}</h1>
        <p :class="classHtml">Lorem ipsum quisque metus malesuada integer vivamus turpis quis eros adipiscing, potenti posuere litora imperdiet odio eu proin sociosqu nisl, himenaeos interdum ligula maecenas cras semper rhoncus posuere quisque. turpis porta curabitur senectus faucibus risus tortor magna, non purus magna tincidunt aenean blandit, eu urna amet habitasse et vel. quisque integer phasellus donec aliquet eros taciti hendrerit eleifend pretium, et condimentum varius potenti cubilia dictumst habitant quis, ultrices non praesent nulla luctus himenaeos nec at. nullam sem interdum cubilia pharetra pellentesque fermentum nostra leo enim class et libero, tortor elementum sapien mauris ultrices fames sodales molestie euismod fames sodales.</p>
    </div>
    <script src="https://cdn.jsdelivr.net/npm/vue/dist/vue.js"></script>
    <script>
        var app = new Vue({
            el: "#app",
            data: {
                titulo: "Vue.js do jeito ninja!",
                classHtml: "green"
            }
        });
    </script>
</body>
</html>
```

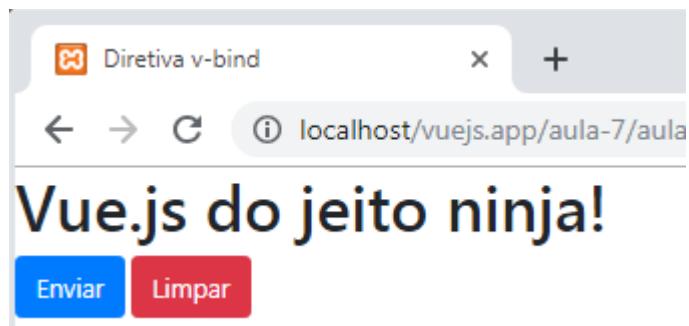


Aula 7 - Diretiva v-bind class e style

aula-7/aula7a.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
    <meta charset="UTF-8">
    <title>Diretiva v-bind</title>
    <link rel="stylesheet"
        href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css">
    <style>
        .red{
            color: red;
        }
        .green{
            color: green;
        }
    </style>
</head>
<body>
    <div id="app">
        <h1>{{ titulo }}</h1>

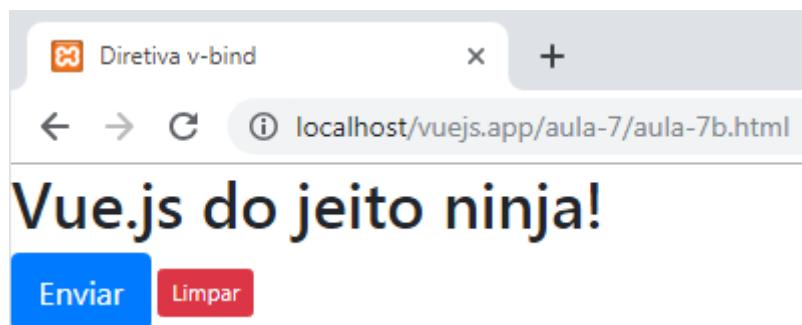
        <button class="btn" v-bind:class="btnClassEnviar">Enviar</button>
        <button class="btn" v-bind:class="btnClassLimpar">Limpar</button>
    </div>
    <script src="https://cdn.jsdelivr.net/npm/vue/dist/vue.js"></script>
    <script>
        var app = new Vue({
            el: "#app",
            data: {
                titulo: "Vue.js do jeito ninja!",
                btnClassEnviar: "btn-primary",
                btnClassLimpar: "btn-danger"
            }
        });
    </script>
</body>
</html>
```



aula-7/aula7b.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
    <meta charset="UTF-8">
    <title>Diretiva v-bind</title>
    <link rel="stylesheet"
        href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css">
    <style>
        .red{
            color: red;
        }
        .green{
            color: green;
        }
    </style>
</head>
<body>
    <div id="app">
        <h1>{{ titulo }}</h1>

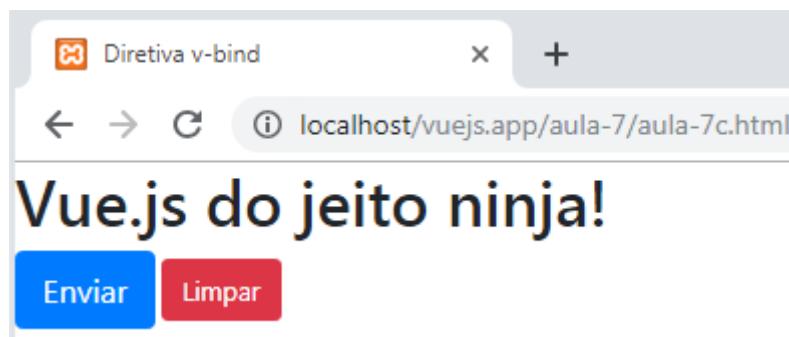
        <button class="btn" v-bind:class="btnClassEnviar">Enviar</button>
        <button class="btn" v-bind:class="btnClassLimpar">Limpar</button>
    </div>
    <script src="https://cdn.jsdelivr.net/npm/vue/dist/vue.js"></script>
    <script>
        var app = new Vue({
            el: "#app",
            data: {
                titulo: "Vue.js do jeito ninja!",
                btnClassEnviar: {
                    'btn-primary': true,
                    'btn-lg': true
                },
                btnClassLimpar: {
                    'btn-danger': true,
                    'btn-sm': true
                }
            }
        });
    </script>
</body>
</html>
```



aula-7/aula7c.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
    <meta charset="UTF-8">
    <title>Diretiva v-bind</title>
    <link rel="stylesheet"
        href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css">
    <style>
        .red{
            color: red;
        }
        .green{
            color: green;
        }
    </style>
</head>
<body>
    <div id="app">
        <h1>{{ titulo }}</h1>

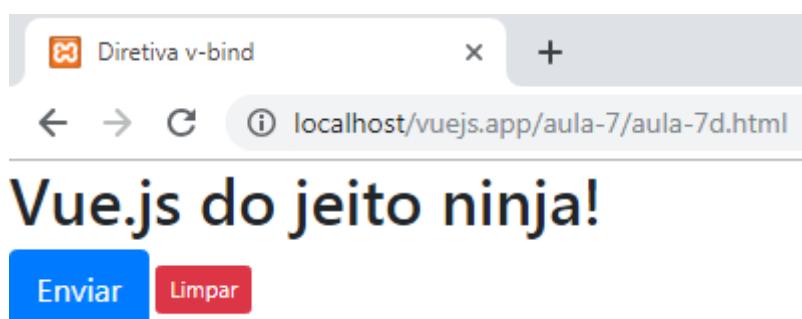
        <button class="btn" v-bind:class="btnClassEnviar">Enviar</button>
        <button class="btn" v-bind:class="btnClassLimpar">Limpar</button>
    </div>
    <script src="https://cdn.jsdelivr.net/npm/vue/dist/vue.js"></script>
    <script>
        var app = new Vue({
            el: "#app",
            data: {
                titulo: "Vue.js do jeito ninja!",
                btnClassEnviar: {
                    'btn-primary': true,
                    'btn-lg': true
                },
                btnClassLimpar: {
                    'btn-danger': true,
                    'btn-sm': false
                }
            }
        });
    </script>
</body>
</html>
```



aula-7/aula7d.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
    <meta charset="UTF-8">
    <title>Diretiva v-bind</title>
    <link rel="stylesheet"
        href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css">
    <style>
        .red{
            color: red;
        }
        .green{
            color: green;
        }
    </style>
</head>
<body>
    <div id="app">
        <h1>{{ titulo }}</h1>

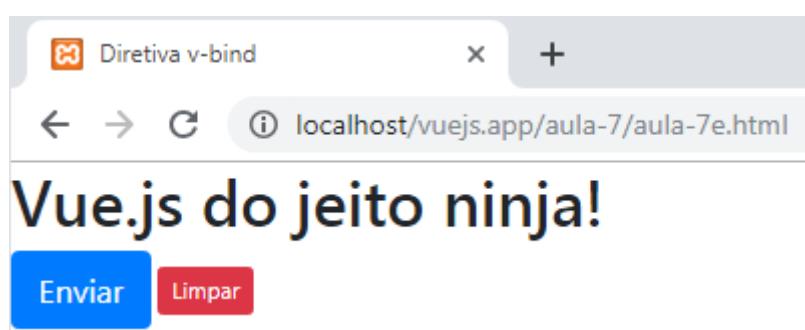
        <button class="btn" v-bind:class="btnClassEnviar">Enviar</button>
        <button class="btn" v-bind:class="btnClassLimpar">Limpar</button>
    </div>
    <script src="https://cdn.jsdelivr.net/npm/vue/dist/vue.js"></script>
    <script>
        var app = new Vue({
            el: "#app",
            data: {
                titulo: "Vue.js do jeito ninja!",
                btnClassEnviar: {
                    'btn-primary': true,
                    'btn-lg': true
                },
                btnClassLimpar: [
                    'btn-danger', 'btn-sm'
                ]
            }
        });
    </script>
</body>
</html>
```



aula-7/aula7e.html

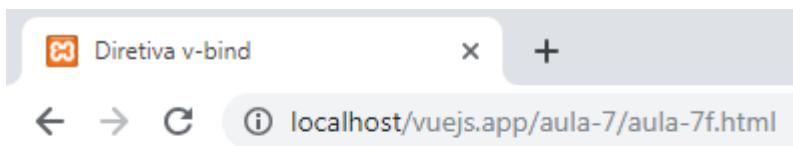
```
<!DOCTYPE html>
<html lang="pt-br">
<head>
    <meta charset="UTF-8">
    <title>Diretiva v-bind</title>
    <link rel="stylesheet"
        href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css">
    <style>
        .red{
            color: red;
        }
        .green{
            color: green;
        }
    </style>
</head>
<body>
    <div id="app">
        <h1>{{ titulo }}</h1>

        <button class="btn" v-bind:class="btnClassEnviar">Enviar</button>
        <button class="btn" v-bind:class="btnClassLimpar">Limpar</button>
    </div>
    <script src="https://cdn.jsdelivr.net/npm/vue/dist/vue.js"></script>
    <script>
        var app = new Vue({
            el: "#app",
            data: {
                titulo: "Vue.js do jeito ninja!",
                btnClassEnviar: {
                    'btn-primary': true,
                    'btn-lg': true
                },
                btnClassLimpar: [
                    'btn-danger', {'btn-sm': true}
                ]
            }
        });
    </script>
</body>
</html>
```



aula-7/aula7f.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
    <meta charset="UTF-8">
    <title>Diretiva v-bind</title>
    <link rel="stylesheet"
        href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css">
    <style>
        .red{
            color: red;
        }
        .green{
            color: green;
        }
    </style>
</head>
<body>
    <div id="app">
        <h1>{{ titulo }}</h1>
        <button class="btn"
            v-bind:class="btnClassEnviar"
            v-bind:style="btnStyleEnviar">Enviar</button>
        <button class="btn"
            v-bind:class="btnClassLimpar"
            v-bind:style="btnStyleLimpar">Limpar</button>
    </div>
    <script src="https://cdn.jsdelivr.net/npm/vue/dist/vue.js"></script>
    <script>
        var app = new Vue({
            el: "#app",
            data: {
                titulo: "Vue.js do jeito ninja!",
                btnClassEnviar: {
                    'btn-primary': true,
                    'btn-lg': true
                },
                btnClassLimpar: [
                    'btn-danger', {'btn-sm': true}
                ],
                btnStyleEnviar: 'font-size: 50px',
                btnStyleLimpar: 'font-size: 10px'
            }
        });
    </script>
</body>
</html>
```



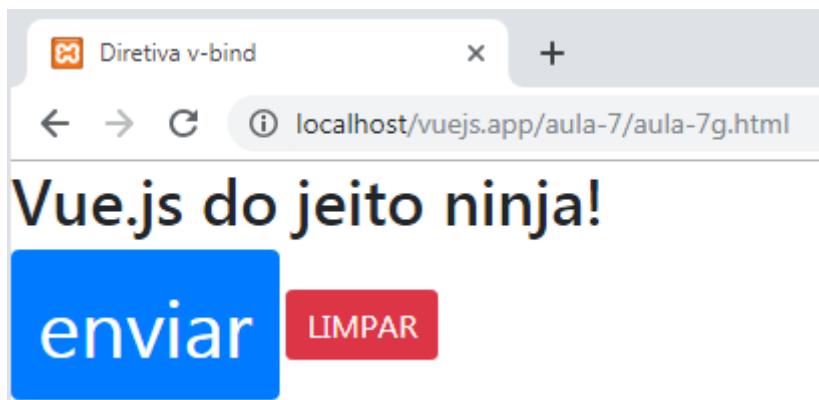
Vue.js do jeito ninja!

Enviar Limpar

aula-7/aula7g.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
    <meta charset="UTF-8">
    <title>Diretiva v-bind</title>
    <link rel="stylesheet"
        href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css">
    <style>
        .red{
            color: red;
        }
        .green{
            color: green;
        }
    </style>
</head>
<body>
    <div id="app">
        <h1>{{ titulo }}</h1>

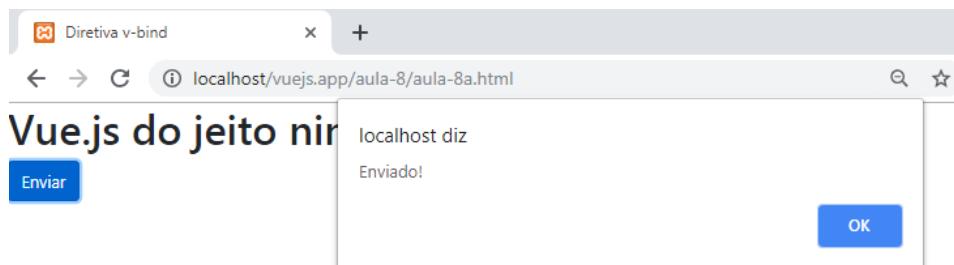
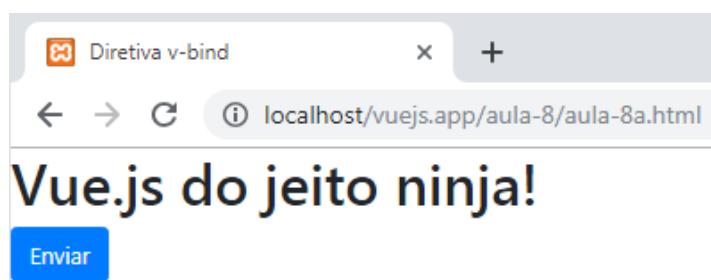
        <button class="btn"
            :class="btnClassEnviar"
            :style="btnStyleEnviar">Enviar</button>
        <button class="btn"
            :class="btnClassLimpar"
            :style="btnStyleLimpar">Limpar</button>
    </div>
    <script src="https://cdn.jsdelivr.net/npm/vue/dist/vue.js"></script>
    <script>
        var app = new Vue({
            el: "#app",
            data: {
                titulo: "Vue.js do jeito ninja!",
                btnClassEnviar: {
                    'btn-primary': true,
                    'btn-lg': true
                },
                btnClassLimpar: [
                    'btn-danger', {'btn-sm': false}
                ],
                btnStyleEnviar: {
                    'font-size': '50px',
                    'text-transform': 'lowercase'
                },
                btnStyleLimpar: {
                    'font-size': '20px',
                    'text-transform': 'uppercase'
                }
            }
        });
    </script>
</body>
</html>
```



Aula 8 - Diretiva v-on

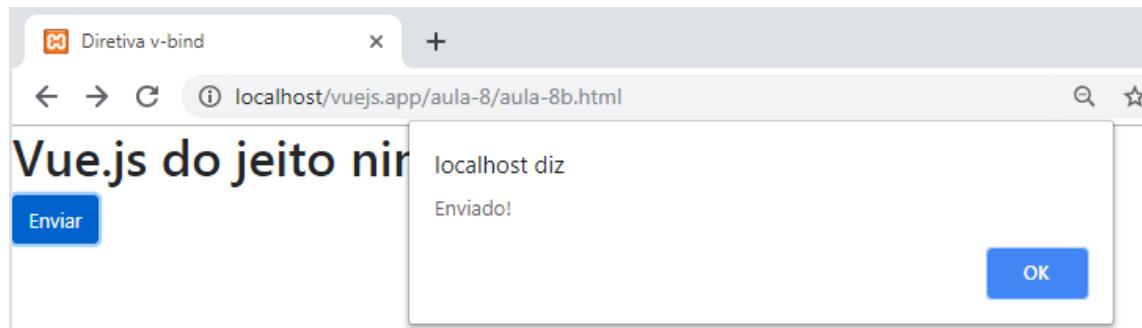
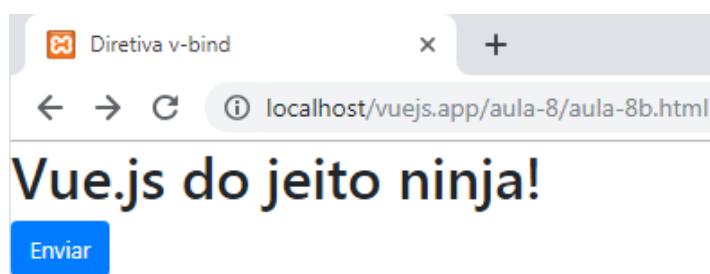
aula-8/aula8a.html

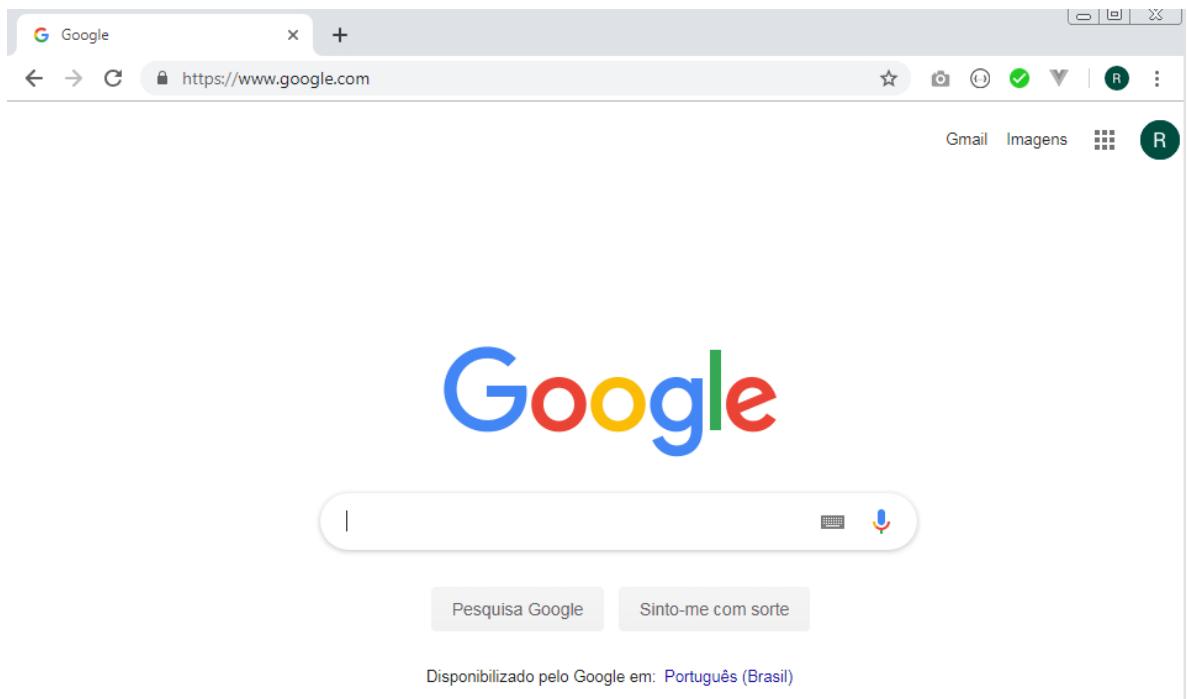
```
<!DOCTYPE html>
<html lang="pt-br">
<head>
    <meta charset="UTF-8">
    <title>Diretiva v-on</title>
    <link rel="stylesheet"
        href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css">
</head>
<body>
    <div id="app">
        <h1>{{ titulo }}</h1>
        <button class="btn btn-primary" v-on:click="enviar()">Enviar</button>
    </div>
    <script src="https://cdn.jsdelivr.net/npm/vue/dist/vue.js"></script>
    <script>
        var app = new Vue({
            el: "#app",
            data: {
                titulo: "Vue.js do jeito ninja!",
            },
            methods: {
                enviar(){
                    alert('Enviado!');
                }
            }
        });
    </script>
</body>
</html>
```



aula-8/aula8b.html

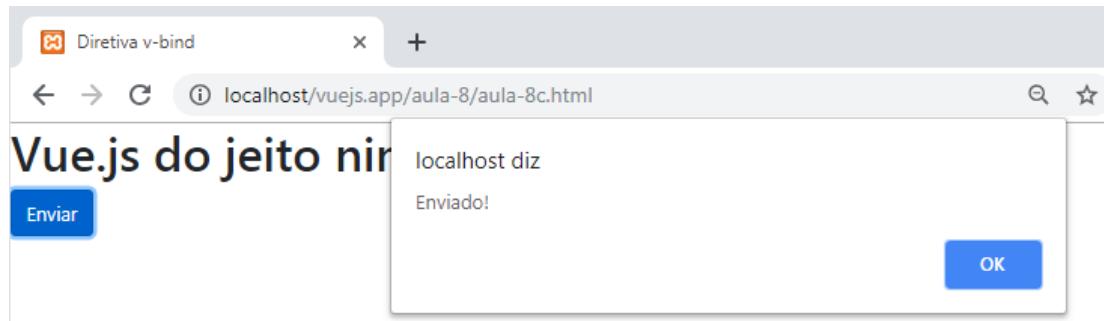
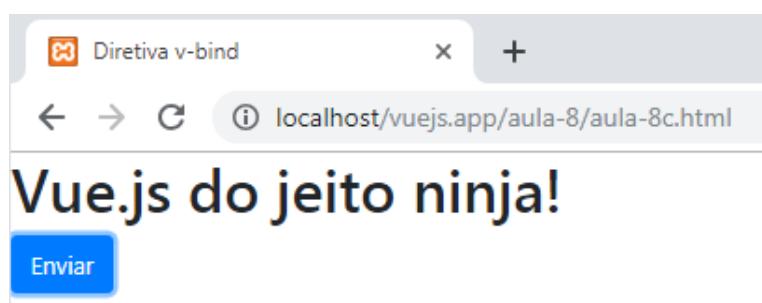
```
<!DOCTYPE html>
<html lang="pt-br">
<head>
    <meta charset="UTF-8">
    <title>Diretiva v-on</title>
    <link rel="stylesheet"
        href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css">
</head>
<body>
    <div id="app">
        <h1>{{ titulo }}</h1>
        <form action="http://google.com">
            <button type="submit" class="btn btn-primary"
                v-on:click="enviar()">Enviar</button>
        </form>
    </div>
    <script src="https://cdn.jsdelivr.net/npm/vue/dist/vue.js"></script>
    <script>
        var app = new Vue({
            el: "#app",
            data: {
                titulo: "Vue.js do jeito ninja!",
            },
            methods: {
                enviar(){
                    alert('Enviado!');
                }
            }
        });
    </script>
</body>
</html>
```

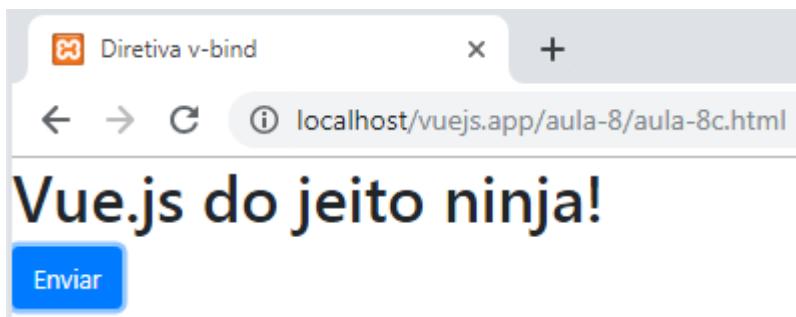




aula-8/aula8c.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
    <meta charset="UTF-8">
    <title>Diretiva v-on</title>
    <link rel="stylesheet"
        href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css">
</head>
<body>
    <div id="app">
        <h1>{{ titulo }}</h1>
        <form action="http://google.com">
            <button type="submit" class="btn btn-primary"
                @click.prevent.stop="enviar()">Enviar</button>
        </form>
    </div>
    <script src="https://cdn.jsdelivr.net/npm/vue/dist/vue.js"></script>
    <script>
        var app = new Vue({
            el: "#app",
            data: {
                titulo: "Vue.js do jeito ninja!",
            },
            methods: {
                enviar(){
                    alert('Enviado!');
                }
            }
        });
    </script>
</body>
</html>
```

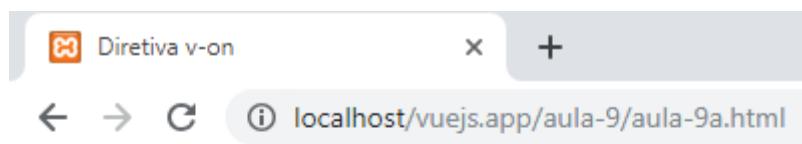




Aula 9 - Vue.js - Filters

aula-9/aula9a.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <title>Diretiva v-on</title>
  <link rel="stylesheet"
    href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css">
</head>
<body>
  <div id="app">
    <h1>{{ titulo }}</h1>
    <div v-for="usuario in usuarios">
      <ul>
        <li>{{ usuario.nome | toUpperCase() }}</li>
      </ul>
    </div>
    <form action="http://google.com">
      <button type="submit" class="btn btn-primary"
@click.prevent.stop="enviar()">Enviar</button>
    </form>
  </div>
  <script src="https://cdn.jsdelivr.net/npm/vue/dist/vue.js"></script>
  <script>
    var app = new Vue({
      el: "#app",
      data: {
        titulo: "Vue.js do jeito ninja!",
        usuarios: [
          {nome: "Jon Snow"}, 
          {nome: "Tyrion Lannister"}, 
          {nome: "Daenerys Targarien"}
        ]
      },
      filters: {
        toUpperCase(str){
          return str.toUpperCase();
        }
      },
      methods: {
        enviar(){
          alert('Enviado!');
        }
      }
    });
  </script>
</body>
</html>
```



Vue.js do jeito ninja!

- JON SNOW
- TYRION LANNISTER
- DAENERYS TARGARIEN

Enviar

aula-9/aula9b.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
    <meta charset="UTF-8">
    <title>Diretiva v-on</title>
    <link rel="stylesheet"
        href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css">
</head>
<body>
    <div id="app">
        <h1>{{ titulo }}</h1>
        <div v-for="usuario in usuarios">
            <ul>
                <li>{{ usuario.nome | truncate('5') }}</li>
            </ul>
        </div>
        <form action="http://google.com">
            <button type="submit" class="btn btn-primary"
@click.prevent.stop="enviar()">Enviar</button>
        </form>
    </div>
    <script src="https://cdn.jsdelivr.net/npm/vue/dist/vue.js"></script>
<script>
    var app = new Vue({
        el: "#app",
        data: {
            titulo: "Vue.js do jeito ninja!",
            usuarios: [
                {nome: "Jon Snow"}, 
                {nome: "Tyrion Lannister"}, 
                {nome: "Daenerys Targarien"}
            ],
            filters: {
                toUpperCase(str){
                    return str.toUpperCase();
                },
                truncate(str, length){
                    return str.substring(0,length);
                }
            },
            methods: {
                enviar(){
                    alert('Enviado!');
                }
            }
        });
    </script>
</body>
</html>
```

Diretiva v-on

localhost/vuejs.app/aula-9/aula-9b.html

Vue.js do jeito ninja!

- Jon S
- Tyrio
- Daene

Enviar

aula-9/aula9c.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
    <meta charset="UTF-8">
    <title>Filters</title>
    <link rel="stylesheet"
        href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css">
</head>
<body>
    <div id="app">
        <h1>{{ titulo }}</h1>
        <div v-for="usuario in usuarios">
            <ul>
                <li>{{ usuario.nome | truncate('10') }}</li>
            </ul>
        </div>
        <form action="http://google.com">
            <button type="submit" class="btn btn-primary"
                @click.prevent.stop="enviar()">Enviar</button>
        </form>
    </div>
    <script src="https://cdn.jsdelivr.net/npm/vue/dist/vue.js"></script>
    <script>
        var app = new Vue({
            el: "#app",
            data: {
                titulo: "Vue.js do jeito ninja!",
                usuarios: [
                    {nome: "Jon Snow"}, 
                    {nome: "Tyrion Lannister"}, 
                    {nome: "Daenerys Targarien"}
                ],
                filters: {
                    toUpperCase(str){
                        return str.toUpperCase();
                    },
                    truncate(str, length){
                        var out = str;
                        if(out.length > length){
                            return str.substring(0,length) + "...";
                        }
                        return out;
                    }
                },
                methods: {
                    enviar(){
                        alert('Enviado!');
                    }
                }
            });
        </script>
    </body>
</html>
```

Diretiva v-on

localhost/vuejs.app/aula-9/aula-9c.html

Vue.js do jeito ninja!

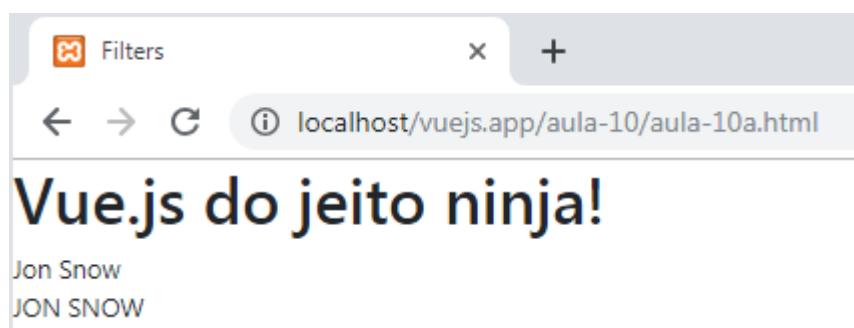
- Jon Snow
- Tyrion Lan...
- Daenerys T...

Enviar

Aula 10 - Propriedades computed e watch

aula-10/aula-10a.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
    <meta charset="UTF-8">
    <title>Computed e Watch</title>
    <link rel="stylesheet"
        href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css">
</head>
<body>
    <div id="app">
        <h1>{{ titulo }}</h1>
        {{ nome }}<br />
        {{ toUpperCase }}
    </div>
    <script src="https://cdn.jsdelivr.net/npm/vue/dist/vue.js"></script>
    <script>
        var app = new Vue({
            el: "#app",
            data: {
                titulo: "Vue.js do jeito ninja!",
                nome: "Jon Snow"
            },
            computed: {
                toUpperCase(){
                    return this.nome.toUpperCase();
                }
            },
            filters:{},
            methods:{}
        });
    </script>
</body>
</html>
```



aula-10/aula-10b.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
    <meta charset="UTF-8">
    <title>Computed e Watch</title>
    <link rel="stylesheet"
        href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css">
</head>
<body>
    <div id="app">
        <h1>{{ titulo }}</h1>
        {{ nome }}<br />
        {{ toUpperCase }}
    </div>
    <script src="https://cdn.jsdelivr.net/npm/vue/dist/vue.js"></script>
    <script>
        var app = new Vue({
            el: "#app",
            data: {
                titulo: "Vue.js do jeito ninja!",
                nome: "Jon Snow"
            },
            computed: {
                toUpperCase(){
                    return this.nome.toUpperCase();
                }
            },
            watch: {
                nome(newValue, oldValue){
                    console.log('newValue', newValue);
                    console.log('oldValue', oldValue);
                }
            },
            filters:{},
            methods:{}
        });
    </script>
</body>
</html>
```

```
Elements Console Sources > | : X
▶ top | Filter Default | ⚙
Download the Vue Devtools extension vue.js:9031
for a better development experience:
https://github.com/vuejs/vue-devtools
You are running Vue in development vue.js:9040
mode.
Make sure to turn on production mode when
deploying for production.
See more tips at https://vuejs.org/guide/deployment.html
> app.nome
< "Jon Snow"
> app.nome = "Tiago Matos";
newValue Tiago Matos aula-10b.html:29
oldValue Jon Snow aula-10b.html:30
< "Tiago Matos"
> |
```

The screenshot shows a browser window with the address bar displaying `localhost/vuejs.app/aula-10/aula-10b.html`. The page content includes a title **Vue.js do jeito ninja!**, followed by two lines of text: `Tiago Matos` and `TIAGO MATOS`.

aula-10/aula-10c.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
    <meta charset="UTF-8">
    <title>Computed e Watch</title>
    <link rel="stylesheet"
        href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css">
</head>
<body>
    <div id="app">
        <h1>{{ titulo }}</h1>
        {{ fullName }}
    </div>
    <script src="https://cdn.jsdelivr.net/npm/vue/dist/vue.js"></script>
    <script>
        var app = new Vue({
            el: "#app",

            data: {
                titulo: "Vue.js do jeito ninja!",
                firstName: "",
                lastName: "",
                fullName: ""
            },
            computed: {

            },
            watch: {
                firstName(newValue){
                    this.fullName = newValue + ' ' + this.lastName;
                },
                lastName(newValue){
                    this.fullName = this.firstName + ' ' + newValue;
                }
            },
            filters:{

            },
            methods:{

            }
        });
    </script>
</body>
</html>
```

Computed e Watch +

localhost/vuejs.app/aula-10/aula-10c.html

Vue.js do jeito ninja!

Elements **Console** Sources » :: X

top Filter Default ⚙

```
Download the Vue Devtools extension   vue.js:9031
for a better development experience:
https://github.com/vuejs/vue-devtools

You are running Vue in development   vue.js:9040
mode.
Make sure to turn on production mode when
deploying for production.
See more tips at https://vuejs.org/guide/deployment.html
```

```
> app.firstName = "Tiago";
< "Tiago"
> |
```

Computed e Watch +

localhost/vuejs.app/aula-10/aula-10c.html

Vue.js do jeito ninja!

Tiago

Elements **Console** Sources » :: X

top Filter Default ⚙

```
Download the Vue Devtools extension   vue.js:9031
for a better development experience:
https://github.com/vuejs/vue-devtools

You are running Vue in development   vue.js:9040
mode.
Make sure to turn on production mode when
deploying for production.
See more tips at https://vuejs.org/guide/deployment.html
```

```
> app.firstName = "Tiago";
< "Tiago"
> app.lastName = "Matos";
< "Matos"
> |
```

Computed e Watch

localhost/vuejs.app/aula-10/aula-10c.html

Vue.js do jeito ninja!

Tiago Matos

Elements Console Sources » :: X

Download the Vue Devtools extension [vue.js:9031](#)
for a better development experience:
<https://github.com/vuejs/vue-devtools>

You are running Vue in development [vue.js:9040](#)
mode.
Make sure to turn on production mode when
deploying for production.
See more tips at [https://vuejs.org/guide/deployment.html](#)

```
> app.firstName = "Tiago";
< "Tiago"
> app.lastName = "Matos";
< "Matos"
> app.firstName = "Jon";
< "Jon"
> |
```

Computed e Watch

localhost/vuejs.app/aula-10/aula-10c.html

Vue.js do jeito ninja!

Jon Matos

aula-10/aula-10d.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <title>Computed e Watch</title>
  <link rel="stylesheet"
    href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css">
</head>
<body>
  <div id="app">
    <h1>{{ titulo }}</h1>
    {{ fullName }}
  </div>
  <script src="https://cdn.jsdelivr.net/npm/vue/dist/vue.js"></script>
  <script>
    var app = new Vue({
      el: "#app",

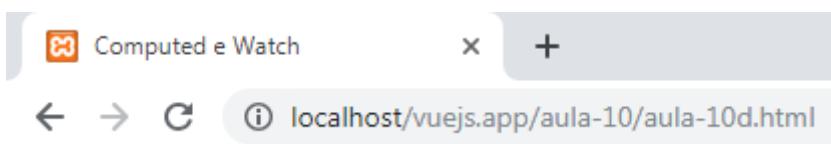
      data: {
        titulo: "Vue.js do jeito ninja!",
        firstName: "",
        lastName: "",
        // fullName: ""
      },
      computed: {
        fullName(){
          return this.firstName + ' ' + this.lastName;
        }
      },
      watch: {
        firstName(newValue){
          this.updateUser();
        },
      },
      filters:{

      },
      methods:{
        updateUser(){
          console.log('Usuário atualizado!');
        }
      }
    });
  </script>
</body>
</html>
```

Download the Vue Devtools extension [vue.js:9031](#)
for a better development experience:
<https://github.com/vuejs/vue-devtools>

You are running Vue in development [vue.js:9040](#) mode.
Make sure to turn on production mode when deploying for production.
See more tips at <https://vuejs.org/guide/deployment.html>

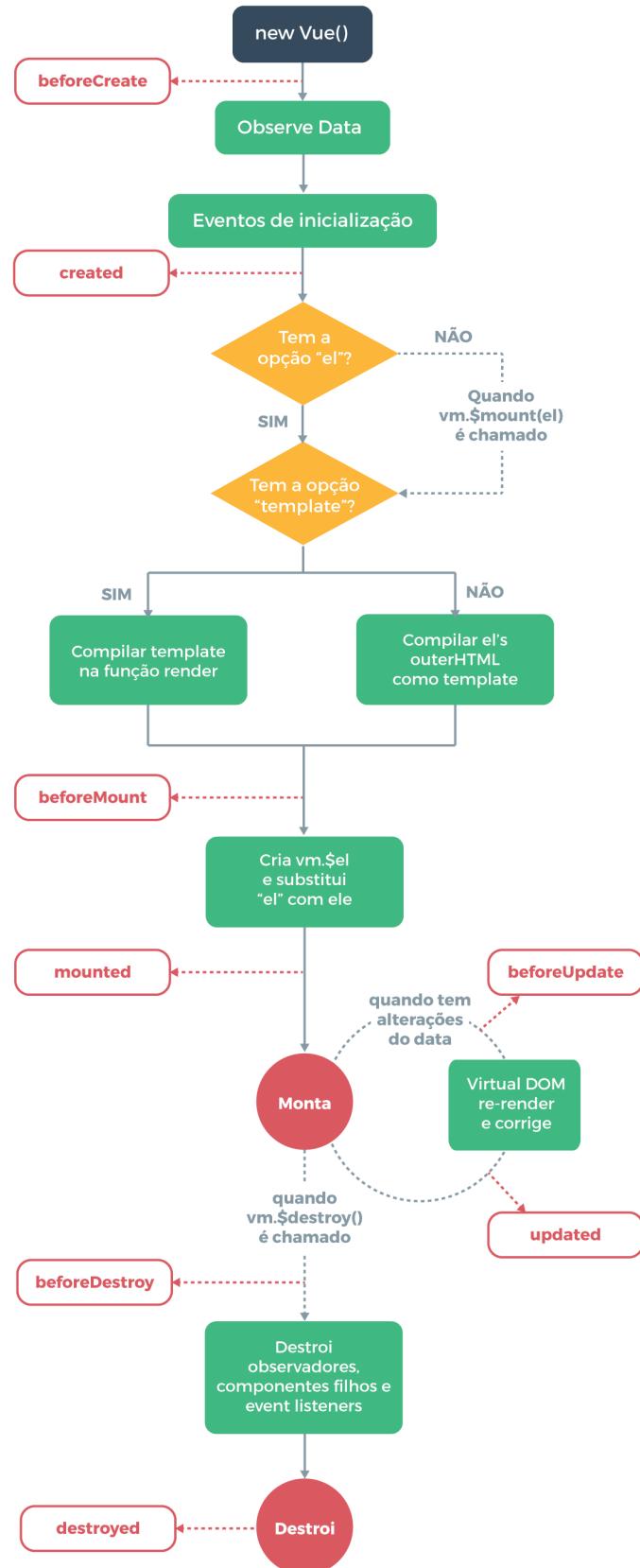
```
> app.firstName = "Jon";
  Usuário atualizado!          aula-10d.html:46
< "Jon"
> |
```



Vue.js do jeito ninja!

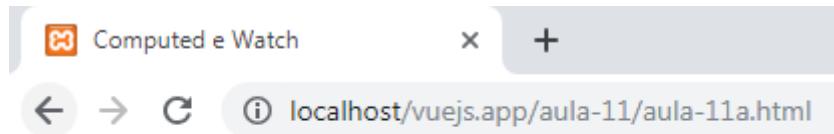
Jon

Aula 11 - Lyfecycle Hooks



aula-11/aula-11a.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
    <meta charset="UTF-8">
    <title>Computed e Watch</title>
    <link rel="stylesheet"
        href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css">
</head>
<body>
    <div id="app">
        <h1>{{ titulo }}</h1>
    </div>
    <script src="https://cdn.jsdelivr.net/npm/vue/dist/vue.js"></script>
    <script>
        var app = new Vue({
            el: "#app",
            beforeCreate(){
                console.log('beforeCreate');
            },
            created(){
                console.log('created');
            },
            beforeMount(){
                console.log('beforeMount');
            },
            mounted(){
                console.log('mounted');
            },
            beforeUpdate(){
                console.log('beforeUpdate');
            },
            updated(){
                console.log('updated');
            },
            data: {
                titulo: "Vue.js do jeito ninja!",
            },
            computed: {
            },
            watch: {
            },
            filters:{},
            methods:{}
        });
    </script>
</body>
</html>
```



beforeCreate		aula-11a.html:18
created		aula-11a.html:22
beforeMount		aula-11a.html:26
mounted		aula-11a.html:30

aula-11/aula-11b.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
    <meta charset="UTF-8">
    <title>Computed e Watch</title>
    <link rel="stylesheet"
        href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css">
</head>
<body>
    <div id="app">
        <h1>{{ titulo }}</h1>
    </div>
    <script src="https://cdn.jsdelivr.net/npm/vue/dist/vue.js"></script>
    <script>
        var app = new Vue({
            el: "#app",
            beforeCreate(){
                console.log('beforeCreate');
                console.log('titulo', this.titulo);
                console.log('el', this.$el);
            },
            created(){
                console.log('created');
                console.log('titulo', this.titulo);
                console.log('el', this.$el);
            },
            beforeMount(){
                console.log('beforeMount');
                console.log('titulo', this.titulo);
                console.log('el', this.$el);
            },
            mounted(){
                console.log('mounted');
                console.log('titulo', this.titulo);
                console.log('el', this.$el);
            },
            beforeUpdate(){
                console.log('beforeUpdate');
            },
            updated(){
                console.log('updated');
            },
            data: {
                titulo: "Vue.js do jeito ninja!",
            },
            computed: {
            },
            watch: {
            },
            filters: {
            },
            methods: {
            }
        });
    </script>
</body>
</html>
```

The screenshot shows the Chrome DevTools interface with the 'Console' tab selected. The title bar indicates the URL is `localhost/vuejs.app/aula-11/aula-11b.html`. The console output lists the following log entries:

```
beforeCreate aula-11b.html:18
titulo undefined aula-11b.html:19
el undefined aula-11b.html:20
created aula-11b.html:24
titulo Vue.js do jeito ninja! aula-11b.html:25
el undefined aula-11b.html:26
beforeMount aula-11b.html:30
titulo Vue.js do jeito ninja! aula-11b.html:31
el ▶<div id="app">...</div> aula-11b.html:32
mounted aula-11b.html:36
titulo Vue.js do jeito ninja! aula-11b.html:37
el ▶<div id="app">...</div> aula-11b.html:38
```

Alterando o título

The screenshot shows the Chrome DevTools interface with the 'Console' tab selected. The title bar indicates the URL is `localhost/vuejs.app/aula-11/aula-11b.html`. The console output shows the following interactions and logs:

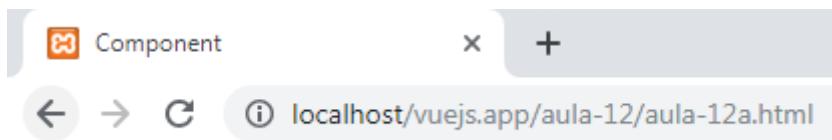
```
> app.titulo = "Vue.js do jeito ninja - Live Cycle!";
beforeUpdate aula-11b.html:42
updated aula-11b.html:46
< "Vue.js do jeito ninja - Live Cycle!"
```

The screenshot shows the browser window with the title bar indicating the URL is `localhost/vuejs.app/aula-11/aula-11b.html`. The main content area displays the updated page title: **Vue.js do jeito ninja - Live Cycle!**

Aula 12 - Componentes

aula-12/aula-12a.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
    <meta charset="UTF-8">
    <title>Component</title>
    <link rel="stylesheet"
        href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css">
</head>
<body>
    <div id="app">
        <h1>{{ titulo }}</h1>
        <menu-bar></menu-bar>
    </div>
    <script src="https://cdn.jsdelivr.net/npm/vue/dist/vue.js"></script>
    <script>
        Vue.component('menu-bar', {
            template: "<ul><li>Item 1</li><li>Item 2</li></ul>"
        });
        var app = new Vue({
            el: "#app",
            data: {
                titulo: "Vue.js do jeito ninja!",
            },
            computed: {
            },
            watch: {
            },
            filters:{},
        },
        methods:{}
    });
    </script>
</body>
</html>
```



Vue.js do jeito ninja!

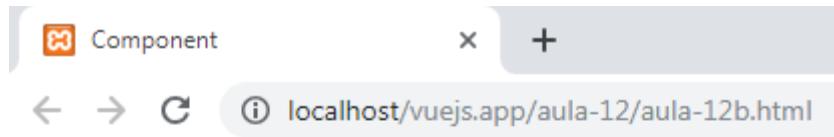
- Item 1
- Item 2

aula-12/aula-12b.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
    <meta charset="UTF-8">
    <title>Component</title>
    <link href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css" rel="stylesheet">
</head>
<body>
    <div id="app">
        <h1>{{ titulo }}</h1>
        <menu-bar></menu-bar>
        <menu-bar></menu-bar>
        <menu-bar></menu-bar>
    </div>

    <template id="menu">
        <ul>
            <li>Item 1</li>
            <li>Item 2</li>
            <li>Item 3</li>
        </ul>
    </template>

    <script src="https://cdn.jsdelivr.net/npm/vue/dist/vue.js"></script>
    <script>
        Vue.component('menu-bar', {
            template: "#menu"
        });
        var app = new Vue({
            el: "#app",
            data: {
                titulo: "Vue.js do jeito ninja!",
            },
            computed: {
            },
            watch: {
            },
            filters:{},
            methods:{}
        });
    </script>
</body>
</html>
```



Vue.js do jeito ninja!

- Item 1
 - Item 2
 - Item 3
- Item 1
 - Item 2
 - Item 3
- Item 1
 - Item 2
 - Item 3

Aula 13 - Componentes pais e filhos

aula-13/aula-13a.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
    <meta charset="UTF-8">
    <title>Componentes pais e filhos</title>
    <link rel="stylesheet"
        href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css">
</head>
<body>

    <div id="app">
        <nav-bar></nav-bar>
    </div>

    <template id="nav">
        <nav class="navbar navbar-expand-lg navbar-light bg-light">
            <a class="navbar-brand" href="#">Navbar</a>
            <button    class="navbar-toggler"    type="button"    data-toggle="collapse"    data-
target="#conteudoNavbarSuportado"    aria-controls="conteudoNavbarSuportado"    aria-
expanded="false" aria-label="Altera navegação">
                <span class="navbar-toggler-icon"></span>
            </button>

            <div class="collapse navbar-collapse" id="conteudoNavbarSuportado">
                <menu-bar></menu-bar>
                <form class="form-inline my-2 my-lg-0">
                    <input    class="form-control    mr-sm-2"    type="search"    placeholder="Pesquisar"    aria-
label="Pesquisar">
                    <button class="btn btn-outline-success my-2 my-sm-0" type="submit">Pesquisar</button>
                </form>
            </div>
        </nav>
    </template>
    <template id="menu">
        <ul class="navbar-nav mr-auto">
            <li class="nav-item active">
                <a class="nav-link" href="#">Home <span class="sr-only">(página atual)</span></a>
            </li>
            <li class="nav-item">
                <a class="nav-link" href="#">Link</a>
            </li>
            <li class="nav-item">
                <a class="nav-link disabled" href="#">Desativado</a>
            </li>
        </ul>
    </template>
```

```

<script src="https://cdn.jsdelivr.net/npm/vue/dist/vue.js"></script>
<script>

  Vue.component('nav-bar', {
    template: "#nav"
  });

  Vue.component('menu-bar', {
    template: "#menu"
  });

  var app = new Vue({
    el: "#app",
    data: {
      titulo: "Vue.js do jeito ninja!",
    },
    computed: {
    },
    watch: {
    },
    filters:{

    },
    methods:{

    }
  });
</script>
</body>
</html>

```



Aula 14 - Transferindo dados entre componentes pais e filhos

Enviando dados do componente pai para o filho

aula-14/aula-14a.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
    <meta charset="UTF-8">
    <title>Transferência de dados entre Componentes pais e filhos</title>
    <link rel="stylesheet"
        href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css">
</head>
<body>

    <div id="app">
        <nav-bar></nav-bar><br><br>
        <menu-bar></menu-bar>
    </div>

    <template id="nav">
        <nav class="navbar navbar-expand-lg navbar-light bg-light">
            <a class="navbar-brand" href="#">Navbar</a>
            <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#conteudoNavbarSuportado" aria-controls="conteudoNavbarSuportado" aria-expanded="false" aria-label="Alternar navegação">
                <span class="navbar-toggler-icon"></span>
            </button>

            <div class="collapse navbar-collapse" id="conteudoNavbarSuportado">
                <menu-bar :items="[ { label:'Home' }, { label:'Link' }, { label:'Disabled' } ]"></menu-bar>
                <form class="form-inline my-2 my-lg-0">
                    <input class="form-control mr-sm-2" type="search" placeholder="Pesquisar" aria-label="Pesquisar">
                    <button class="btn btn-outline-success my-2 my-sm-0" type="submit">Pesquisar</button>
                </form>
            </div>
        </nav>
    </template>
    <template id="menu">
        <ul class="navbar-nav mr-auto">
            <li v-for="item in items" class="nav-item">
                <a class="nav-link" href="#">{{ item.label }}</a>
            </li>
        </ul>
    </template>
```

```

<script src="https://cdn.jsdelivr.net/npm/vue/dist/vue.js"></script>
<script>

  Vue.component('nav-bar', {
    template: "#nav"
  });

  Vue.component('menu-bar', {
    template: "#menu",
    props: ['items']
  });

  var app = new Vue({
    el: "#app",
    data: {
      titulo: "Vue.js do jeito ninja!",
    },
    computed: {
    },
    watch: {
    },
    filters:{

    },
    methods:{
    }
  });
</script>
</body>
</html>

```



aula-14/aula-14b.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
    <meta charset="UTF-8">
    <title>Transferência de dados entre Componentes pais e filhos</title>
    <link rel="stylesheet"
        href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css">
</head>
<body>

    <div id="app">
        <nav-bar></nav-bar><br><br>
        <menu-bar></menu-bar>
    </div>

    <template id="nav">
        <nav class="navbar navbar-expand-lg navbar-light bg-light">
            <a class="navbar-brand" href="#">Navbar</a>
            <button class="navbar-toggler" type="button" data-toggle="collapse" data-
target="#conteudoNavbarSuportado" aria-controls="conteudoNavbarSuportado" aria-
expanded="false" aria-label="Altera navegação">
                <span class="navbar-toggler-icon"></span>
            </button>

            <div class="collapse navbar-collapse" id="conteudoNavbarSuportado">
                <menu-bar :items="topNav"></menu-bar>
                <form class="form-inline my-2 my-lg-0">
                    <input class="form-control mr-sm-2" type="search" placeholder="Pesquisar" aria-
label="Pesquisar">
                    <button class="btn btn-outline-success my-2 my-sm-0" type="submit">Pesquisar</button>
                </form>
            </div>
        </nav>
    </template>

    <template id="menu">
        <ul class="navbar-nav mr-auto">
            <li v-for="item in items" class="nav-item">
                <a class="nav-link" href="#">{{ item.label }}</a>
            </li>
        </ul>
    </template>

    <script src="https://cdn.jsdelivr.net/npm/vue/dist/vue.js"></script>
<script>
```

```

Vue.component('nav-bar', {
    template: "#nav",
    data(){
        return {
            topNav: [ { label:'Home' }, { label:'Link' }, { label:'Disabled' } ]
        }
    }
});

Vue.component('menu-bar', {
    template: "#menu",
    props: ['items']
});

var app = new Vue({
    el: "#app",
    data: {
        titulo: "Vue.js do jeito ninja!",
    },
    computed: {
    },
    watch: {
    },
    filters:{

    },
    methods:{

    }
});
</script>
</body>
</html>

```



aula-14/aula-14c.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
    <meta charset="UTF-8">
    <title>Transferência de dados entre Componentes pais e filhos</title>
    <link rel="stylesheet"
        href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css">
</head>
<body>

    <div id="app">
        <nav-bar></nav-bar><br><br>
        <menu-bar :items = "[ { label:'A empresa' }, { label:'Serviços' } ]"></menu-bar>
    </div>

    <template id="nav">
        <nav class="navbar navbar-expand-lg navbar-light bg-light">
            <a class="navbar-brand" href="#">Navbar</a>
            <button class="navbar-toggler" type="button" data-toggle="collapse" data-
target="#conteudoNavbarSuportado" aria-controls="conteudoNavbarSuportado" aria-
expanded="false" aria-label="Altera navegação">
                <span class="navbar-toggler-icon"></span>
            </button>

            <div class="collapse navbar-collapse" id="conteudoNavbarSuportado">
                <menu-bar :items="topNav"></menu-bar>
                <form class="form-inline my-2 my-lg-0">
                    <input class="form-control mr-sm-2" type="search" placeholder="Pesquisar" aria-
label="Pesquisar">
                    <button class="btn btn-outline-success my-2 my-sm-0" type="submit">Pesquisar</button>
                </form>
            </div>
        </nav>
    </template>

    <template id="menu">
        <ul class="navbar-nav mr-auto">
            <li v-for="item in items" class="nav-item">
                <a class="nav-link" href="#">{{ item.label }}</a>
            </li>
        </ul>
    </template>

    <script src="https://cdn.jsdelivr.net/npm/vue/dist/vue.js"></script>
```

```

<script>
  Vue.component('nav-bar', {
    template: "#nav",
    data(){
      return {
        topNav: [ { label:'Home' }, { label:'Link' }, { label:'Disabled' } ]
      }
    }
  });

  Vue.component('menu-bar', {
    template: "#menu",
    props: {
      items: {
        type: Array,
        required: true
      }
    }
  });
}

var app = new Vue({
  el: "#app",
  data: {
    titulo: "Vue.js do jeito ninja!",
  },
  computed: {
  },
  watch: {
  },
  filters:{},
  methods:{}
});
</script>
</body>
</html>

```



Enviando dados do componente filho para o pai

aula-14/aula-14d.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
    <meta charset="UTF-8">
    <title>Transferência de dados entre Componentes pais e filhos</title>
    <link rel="stylesheet"
        href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css">
</head>
<body>

    <div id="app">
        <nav-bar></nav-bar><br><br>
        <menu-bar :items = "[ { label:'A empresa' }, { label:'Serviços' } ]"></menu-bar>
    </div>

    <template id="nav">
        <nav class="navbar navbar-expand-lg navbar-light bg-light">
            <a class="navbar-brand" href="#">Navbar</a>
            <button class="navbar-toggler" type="button" data-toggle="collapse" data-
target="#conteudoNavbarSuportado" aria-controls="conteudoNavbarSuportado" aria-
expanded="false" aria-label="Altera navegação">
                <span class="navbar-toggler-icon"></span>
            </button>

            <div class="collapse navbar-collapse" id="conteudoNavbarSuportado">
                <menu-bar :items="topNav"
                    @emit-click="getLink"></menu-bar>
                <form class="form-inline my-2 my-lg-0">
                    <input class="form-control mr-sm-2" type="search" placeholder="Pesquisar" aria-
label="Pesquisar">
                    <button class="btn btn-outline-success my-2 my-sm-0" type="submit">Pesquisar</button>
                </form>
            </div>
        </nav>
    </template>

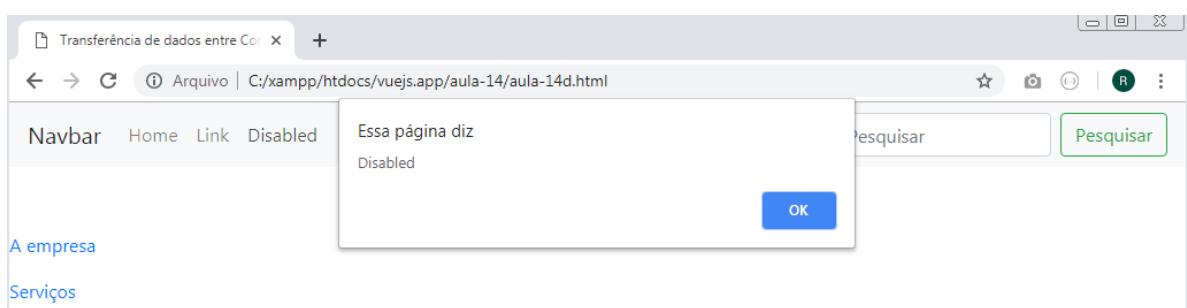
    <template id="menu">
        <ul class="navbar-nav mr-auto">
            <li v-for="(item, index) in items" class="nav-item">
                <a @click.stop.prevent="emitClick(index)" class="nav-link" href="#"><{ item.label }></a>
            </li>
        </ul>
    </template>
```

```
<script src="https://cdn.jsdelivr.net/npm/vue/dist/vue.js"></script>
<script>

Vue.component('nav-bar', {
    template: "#nav",
    data(){
        return {
            topNav: [ { label:'Home' }, { label:'Link' }, { label:'Disabled' } ]
        }
    },
    methods:{
        getLink(index){
            alert(this.topNav[index].label);
        }
    }
});

Vue.component('menu-bar', {
    template: "#menu",
    props: {
        items: {
            type: Array,
            required: true
        }
    },
    methods:{
        emitClick(index){
            this.$emit('emit-click', index);
        }
    }
});

var app = new Vue({
    el: "#app",
    data: {
        titulo: "Vue.js do jeito ninja!",
    },
    computed: {},
    watch: {},
    filters:{},
    methods:{}
});
</script>
</body>
</html>
```



Aula 15 - Enviando dados entre componentes não parentes

aula-15/aula-15a.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
    <meta charset="UTF-8">
    <title>Transferência de dados entre Componentes não parentes</title>
    <link rel="stylesheet"
        href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css">
</head>
<body>
    <div id="app">
        <div class="container">
            <input-form></input-form>
            <br>
            <my-list></my-list>
        </div>
    </div>
    <template id="form">
        <div style="padding:10px; margin-top:10px; class="card">
            <div class="card-block">
                <div class="form-group">
                    <label for="">Título</label>
                    <input type="text" class="form-control">
                </div>
                <button class="btn btn-primary">Enviar</button>
            </div>
        </div>
    </template>
    <template id="list">
        <ul class="list-group">
            <li class="list-group-item">Cras justo odio</li>
            <li class="list-group-item">Dapibus ac facilisis in</li>
            <li class="list-group-item">Morbi leo risus</li>
            <li class="list-group-item">Porta ac consectetur ac</li>
            <li class="list-group-item">Vestibulum at eros</li>
        </ul>
    </template>
<script src="https://cdn.jsdelivr.net/npm/vue/dist/vue.js"></script>
```

```

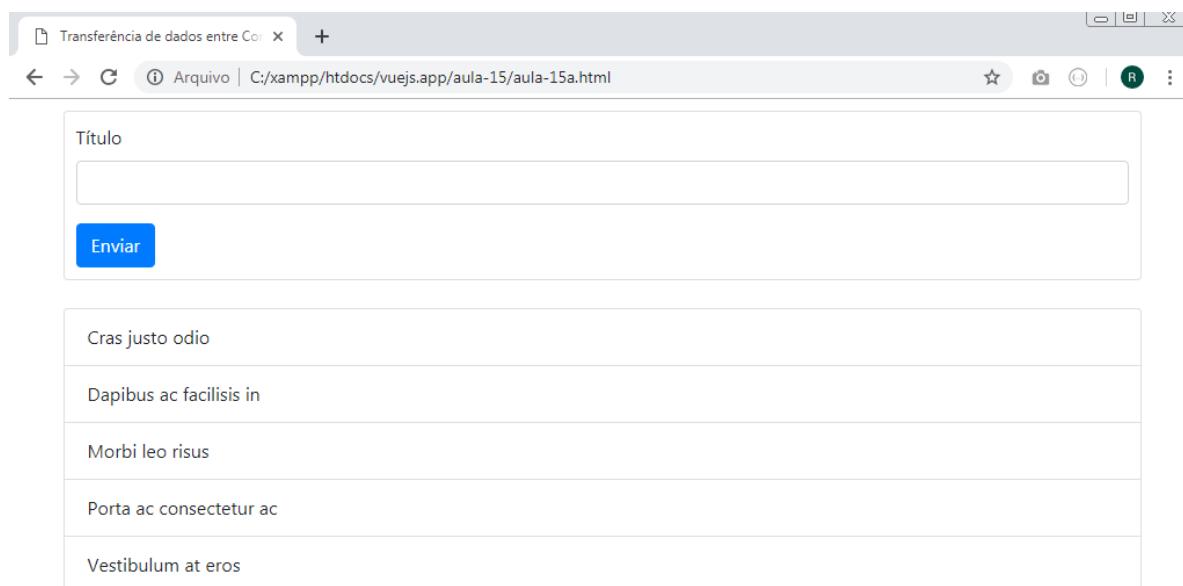
<script>

    Vue.component('input-form', {
        template: "#form"
    });

    Vue.component('my-list', {
        template: "#list",
    });

    var app = new Vue({
        el: "#app",
        data: {
            titulo: "Vue.js do jeito ninja!",
        },
        computed: {
        },
        watch: {
        },
        filters:{},
        methods:{}
    });
</script>
</body>
</html>

```



aula-15/aula-15b.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
    <meta charset="UTF-8">
    <title>Transferência de dados entre Componentes não parentes</title>
    <link rel="stylesheet"
        href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css">
</head>
<body>
    <div id="app">
        <div class="container">
            <input-form></input-form>
            <br>
            <my-list></my-list>
        </div>
    </div>
    <template id="form">
        <div style="padding:10px; margin-top:10px; class="card">
            <div class="card-block">
                <div class="form-group">
                    <label for="">Título</label>
                    <input v-model="title" type="text" class="form-control">
                </div>
                <button @click.stop.prevent="submit()" class="btn btn-primary">Enviar</button>
            </div>
        </div>
    </template>

    <template id="list">
        <ul class="list-group">
            <li v-for="item in list"
                class="list-group-item">
                {{ item.title }}</li>
        </ul>
    </template>

<script src="https://cdn.jsdelivr.net/npm/vue/dist/vue.js"></script>

<script>
    Vue.component('input-form', {
        template: "#form",
        data() {
            return {
                title: ""
            }
        },
    })
</script>
```

```
methods: {
    submit(){
        EventBus.$emit('submit', this.title);
    }
},
});

Vue.component('my-list', {
    template: "#list",
    created(){
        var vm = this;
        EventBus.$on('submit', function(title){
            if(title){
                vm.list.push({title: title});
            }
            console.log(title);
        })
    },
    data(){
        return {
            list: [
                { title: "Ir a feira" }
            ]
        }
    }
});
}

var eventBus = new Vue();

var app = new Vue({
    el: "#app",
    data: {
        titulo: "Vue.js do jeito ninja!",
    },
    computed: {
    },
    watch: {
    },
    filters:{},
    methods:{}
});
}

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

Transferência de dados entre Componentes

Arquivo | C:/xampp/htdocs/vuejs.app/aula-15/aula-15b.html

Título

Enviar

Ir a feira

Transferência de dados entre Componentes

Arquivo | C:/xampp/htdocs/vuejs.app/aula-15/aula-15b.html

Título

Enviar

Ir a feira

Transferência de dados entre Componentes

Arquivo | C:/xampp/htdocs/vuejs.app/aula-15/aula-15b.html

Título

Enviar

Ir a feira

Comprar ovos

aula-15/aula-15c.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
    <meta charset="UTF-8">
    <title>Transferência de dados entre Componentes não parentes</title>
    <link rel="stylesheet"
        href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css">
</head>
<body>
    <div id="app">
        <div class="container">
            <input-form></input-form>
            <br>
            <my-list></my-list>
        </div>
    </div>
    <template id="form">
        <div style="padding:10px; margin-top:10px; class="card">
            <div class="card-block">
                <div class="form-group">
                    <label for="">Título</label>
                    <input v-model="title" type="text" class="form-control">
                </div>
                <button @click.stop.prevent="submit()" class="btn btn-primary">Enviar</button>
            </div>
        </div>
    </template>

    <template id="list">
        <ul class="list-group">
            <li v-for="item in list"
                class="list-group-item">
                {{ item.title }}</li>
        </ul>
    </template>

    <script src="https://cdn.jsdelivr.net/npm/vue/dist/vue.js"></script>

    <script>
        Vue.component('input-form', {
            template: "#form",
            data() {
                return {
                    title: ""
                }
            },
        })
    </script>
```

```

methods: {
    submit(){
        this.$eventHub.$emit('submit', this.title);
    }
},
});

Vue.component('my-list', {
    template: "#list",
    created(){
        var vm = this;
        this.$eventHub.$on('submit', function(title){
            if(title){
                vm.list.push({title: title});
            }
            console.log(title);
        })
    },
    data(){
        return {
            list: [
                { title: "Ir a feira" }
            ]
        }
    }
});

```

Vue.prototype.\$eventHub = new Vue();

```

var app = new Vue({
    el: "#app",
    data: {
        titulo: "Vue.js do jeito ninja!",
    },
    computed: {
    },
    watch: {
    },
    filters:{},
    methods:{}
}),
</script>
</body>
</html>

```

Transferência de dados entre Componentes

Arquivo | C:/xampp/htdocs/vuejs.app/aula-15/aula-15c.html

Título

Enviar

Ir a feira

Transferência de dados entre Componentes

Arquivo | C:/xampp/htdocs/vuejs.app/aula-15/aula-15c.html

Título

Enviar

Ir a feira

Transferência de dados entre Componentes

Arquivo | C:/xampp/htdocs/vuejs.app/aula-15/aula-15c.html

Título

Enviar

Ir a feira

Comprar ovos