

Curso de Vue JS

SYS4SOFT (João Ribeiro)

https://www.youtube.com/watch?v=fnPXT1z0Ctw&list=PLXik_5Br-zO_xQHAH9GrNR1gAefYWaKxz

Resumo do curso feito por Roberto Pinheiro

Aula 01 - Introdução

- Como editor de textos utilize o Visual Studio Code.
- Instale o plugin Live Server e o utilize como servidor.

aula-01/index.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Ola Mundo com Vue JS</title>
</head>
<body>

  <div id="app">
    <h2>Olá mundo! Meu nome é {{nome}}.</h2>
  </div>

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

aula-01/js/script.js

```
const app = new Vue({
  el: "#app",
  data: {
    nome: "Roberto"
  }
});
```

Ola Mundo com Vue JS

127.0.0.1:5500/aula-01/index.html

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

Olá mundo! Meu nome é Roberto.

ElementsConsoleSourcesNetworkPerformance

topFilterDefault levels

Download the Vue Devtools extension for a better development experience:
<https://github.com/vuejs/vue-devtools>
vue.js:9055

You are running Vue in development mode.
Make sure to turn on production mode when deploying for production.
See more tips at <https://vuejs.org/guide/deployment.html>
vue.js:9064

> app.nome

< "Roberto"

Aula 05 - A instância Vue JS

aula-05/index.html

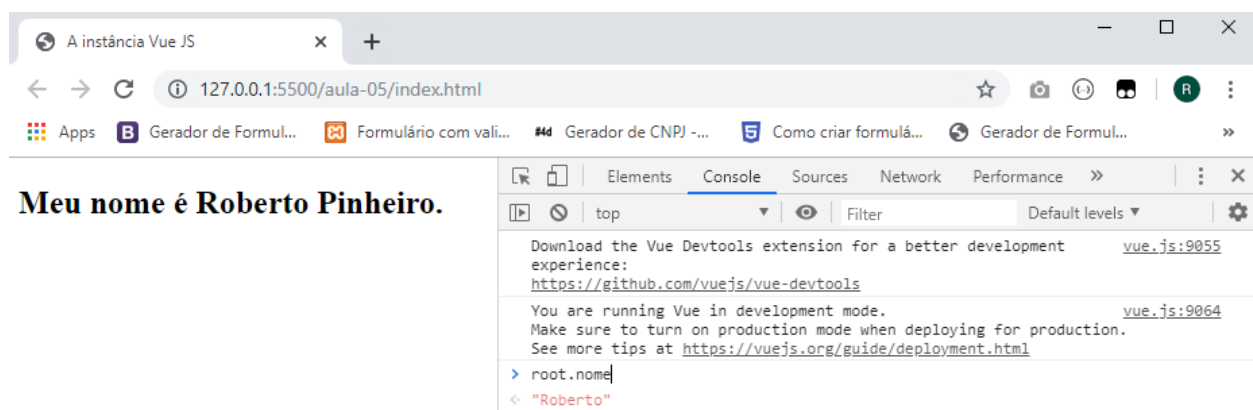
```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>A instância Vue JS</title>
</head>
<body>

  <div id="root">
    <h2>Meu nome é {{nome}} {{sobrenome}}.</h2>
  </div>

  <script src="../js/vue.js"></script>
  <script src="js/script.js"></script>
</body>
</html>
```

aula-05/js/script.js

```
const root = new Vue({
  el: "#root",
  data: {
    nome: "Roberto",
    sobrenome: "Pinheiro"
  }
});
```



A instância Vue JS

127.0.0.1:5500/aula-05/index.html

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

Meu nome é João Ribeiro.

ElementsConsoleSourcesNetworkPerformance

topFilterDefault levels

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

vue.js:9055

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

vue.js:9064

> root.name = "João"
< "João"

> root.sobrenome = "Ribeiro"
< "Ribeiro"

Aula 06 - A instância Vue JS

aula-06/index.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <title>Introdução a diretivas</title>
</head>
<body>

  <div id="root">
    <h2>{{nome}}</h2>
    <input type="text" v-model="nome"/>
    <div v-if="visivel">
      <h4>DIV 1</h4>
    </div>
    <div v-else>
      <h4>DIV 2</h4>
    </div>

  </div>

  <script src="../js/vue.js"></script>
  <script src="js/script.js"></script>
</body>
</html>
```

aula-06/js/script.js

```
const root = new Vue({
  el: "#root",
  data: {
    nome: "Roberto",
    visivel: false
  }
});
```

Introdução a diretivas

127.0.0.1:5500/aula-06/index.html

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

Roberto

Roberto

DIV 2

ElementsConsoleSourcesNetworkPerformance

topFilterDefault levels

Download the Vue Devtools extension for a better development experience:
<https://github.com/vuejs/vue-devtools>
You are running Vue in development mode.
Make sure to turn on production mode when deploying for production.
See more tips at <https://vuejs.org/guide/deployment.html>

Introdução a diretivas

127.0.0.1:5500/aula-06/index.html

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

João

João

DIV 1

ElementsConsoleSourcesNetworkPerformance

topFilterDefault levels

Download the Vue Devtools extension for a better development experience:
<https://github.com/vuejs/vue-devtools>
You are running Vue in development mode.
Make sure to turn on production mode when deploying for production.
See more tips at <https://vuejs.org/guide/deployment.html>
> root.nome = "João"
< "João"
> root.visivel = true
< true

Aula 07 - Introdução aos métodos

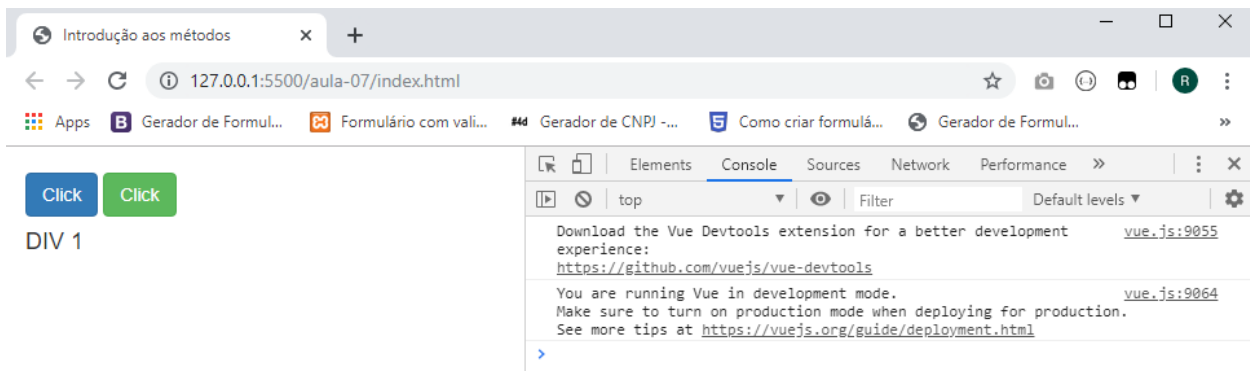
aula-07/index.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <link rel="stylesheet" href="../css/bootstrap.min.css">
  <title>Introdução aos métodos</title>
</head>
<body>
  <div id="root">
    <div class="container">
      <br>
      <button class="btn btn-primary" v-on:click="mostrarEsconder()">Click</button>
      <br><br>
      <div v-if="visivel">
        <h4>DIV 1</h4>
      </div>
      <div v-else>
        <h4>DIV 2</h4>
      </div>
    </div>
  </div>
  <script src="../js/vue.js"></script>
  <script src="js/script.js"></script>
</body>
</html>
```

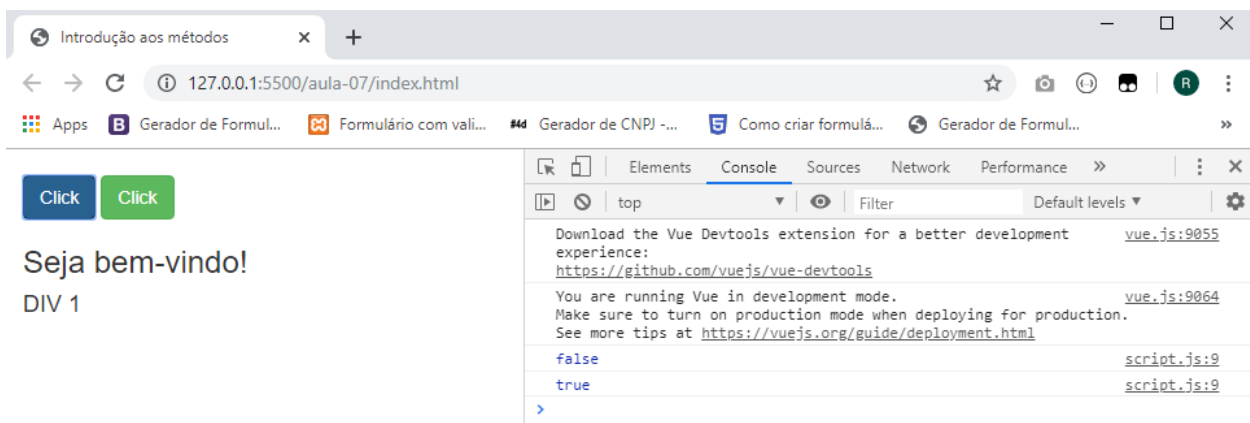
aula-07/js/script.js

```
const root = new Vue({
  el: "#root",
  data: {
    visivel: true
  },
  methods: {
    mostrarEsconder: function(){
      this.visivel = !this.visivel;
      console.log(this.visivel);
    }
  }
});
```

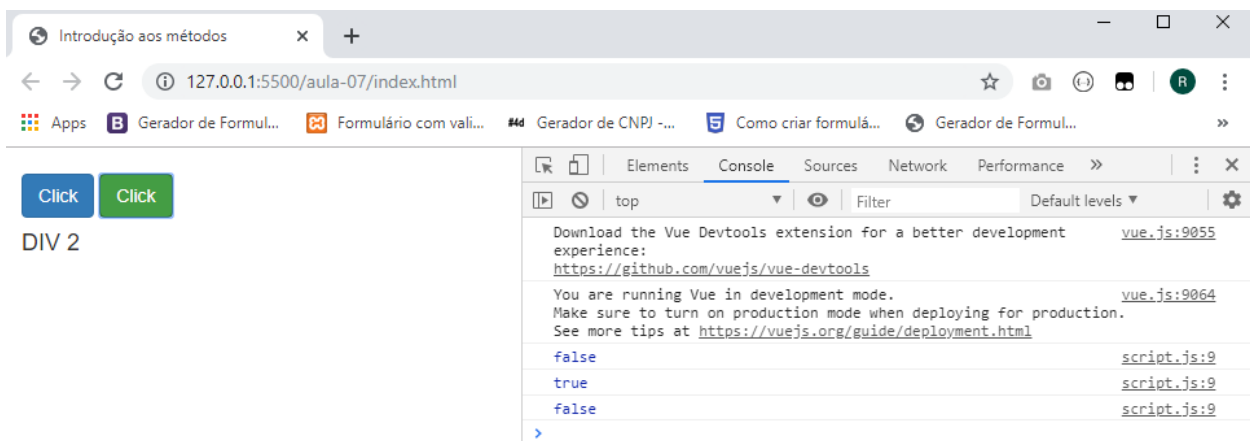
Clicando no botão azul:



Clicando nos dois botões:



Clicando novamente nos dois botões:



Aula 08 - Exemplos com diretivas v-for

aula-08/index.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <link rel="stylesheet" href="../css/bootstrap.min.css">
  <title>Diretiva v-for</title>
</head>
<body>

  <div id="root">
    <ul>
      <li v-for="nome in nomes">{{nome}}</li>
    </ul>
    <br>
    <ul>
      <li v-for="cliente in clientes">O cliente chama-se {{cliente.nome}} e tem {{cliente.idade}}
anos de idade.</li>
    </ul>
  </div>

  <script src="../js/vue.js"></script>
  <script src="js/script.js"></script>
</body>
</html>
```

aula-08/js/script.js

```
const root = new Vue({
  el: "#root",
  data: {
    nomes: [
      "João",
      "Ana",
      "Carlos",
      "Maria",
      "Francisco",
      "Solange",
      "Antônio",
      "Sandra"
    ],
    clientes: [
      { nome: "João", idade: 54},
      { nome: "Ana", idade: 46},
      { nome: "Carlos", idade: 23},
      { nome: "Maria", idade: 55},
      { nome: "Francisco", idade: 32},
      { nome: "Solange", idade: 17},
      { nome: "Antônio", idade: 29},
      { nome: "Sandra", idade: 37},
    ]
  }
});
```

- João
 - Ana
 - Carlos
 - Maria
 - Francisco
 - Solange
 - Antônio
 - Sandra
-
- O cliente chama-se João e tem 54 anos de idade.
 - O cliente chama-se Ana e tem 46 anos de idade.
 - O cliente chama-se Carlos e tem 23 anos de idade.
 - O cliente chama-se Maria e tem 55 anos de idade.
 - O cliente chama-se Francisco e tem 32 anos de idade.
 - O cliente chama-se Solange e tem 17 anos de idade.
 - O cliente chama-se Antônio e tem 29 anos de idade.
 - O cliente chama-se Sandra e tem 37 anos de idade.

Aula 09 - Exemplo prático com diretivas e métodos

aula-09/index.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <link rel="stylesheet" href="../css/bootstrap.min.css">
  <title>Diretivas e métodos</title>
</head>
<body>

  <div id="root">
    <div class="container">
      <br>
      <input v-model="novaFruta">
      <button v-on:click="inserirFruta()">Inserir</button>

      <h3>Lista de frutas</h3>

      <ul>
        <li v-for="fruta in frutas">{{fruta}}</li>
      </ul>

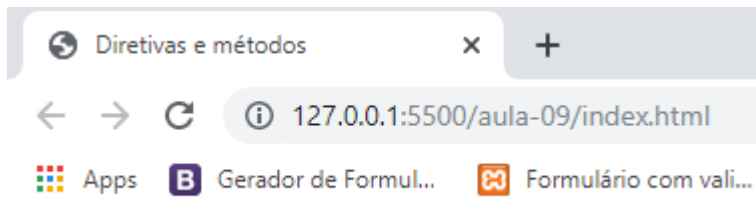
      <h4>Total: <b>{{totalFrutas}}</b></h4>
    </div>
  </div>

  <script src="../js/vue.js"></script>
  <script src="js/script.js"></script>
</body>
</html>
```

aula-09/js/script.js

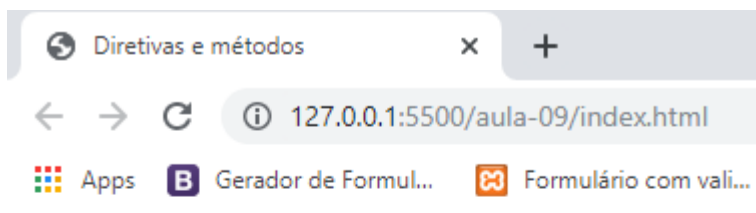
```
let root = new Vue({
  el: "#root",
  data: {
    frutas: [],
    novaFruta: '',
    totalFrutas: 0
  },
```

```
methods: {  
  inserirFruta: function(){  
    this.frutas.push(this.novaFruta);  
    this.novaFruta = '';  
    this.totalFrutas = this.frutas.length;  
  }  
}  
});
```



Lista de frutas

Total: 0



Lista de frutas

- banana
- laranja
- maçã

Total: 3

Aula 10 - Diretivas v-bind e v-on

aula-10/index.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <link rel="stylesheet" href="../css/bootstrap.min.css">
  <title>Diretivas v-bind e v-on</title>
</head>
<body>

  <div id="root">
    <div class="container">
      <br>
      <h3>O país selecionado é {{pais}}</h3>

      <img :src = "imagem" :alt = "nome_imagem">
      <!-- <img v-bind:src = "imagem"> -->

      <br /><br />

      <div>
        <button class="btn btn-danger" @click="mostrarPortugal()">Portugal</button>
        <button class="btn btn-success" @click="mostrarBrasil()">Brasil</button>
      <!--
        <button class="btn btn-danger" v-on:click="mostrarPortugal()">Portugal</button>
        <button class="btn btn-success" v-on:click="mostrarBrasil()">Brasil</button>
      -->
    </div>
  </div>

  <script src="../js/vue.js"></script>
  <script src="js/script.js"></script>
</body>
</html>
```

aula-10/js/script.js

```
let root = new Vue({
  el: "#root",
  data: {
    pais: "",
    imagem: "",
    nome_imagem: ""
  },
  methods: {
    mostrarPortugal() {
      this.pais = "Portugal";
      this.imagem = "bandeira-portugal.jpg";
      this.nome_imagem = "Bandeira de Portugal";
    },
    mostrarBrasil() {
      this.pais = "Brasil";
      this.imagem = "bandeira-brasil.jpg";
      this.nome_imagem = "Bandeira do Brasil";
    }
  }
});
```

```

methods:{
  mostrarPortugal: function(){
    this.pais = "Portugal";
    this.nome_imagem = "Bandeira de Portugal";
    this.imagem = "images/bandeira_portugal.jpg";
  },
  mostrarBrasil: function(){
    this.pais = "Brasil";
    this.nome_imagem = "Bandeira do Brasil";
    this.imagem = "images/bandeira_brasil.jpg";
  }
}
});

```

```
root.mostrarPortugal();
```



O país selecionado é Portugal



Portugal Brasil



O país selecionado é Brasil



Portugal Brasil

Aula 11 - Diretivas v-html e v-text

aula-11/index.html

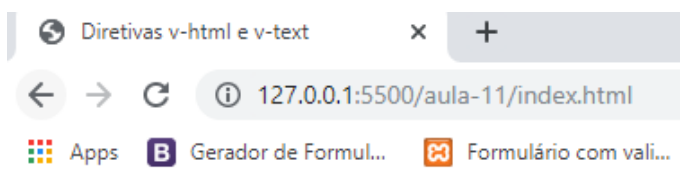
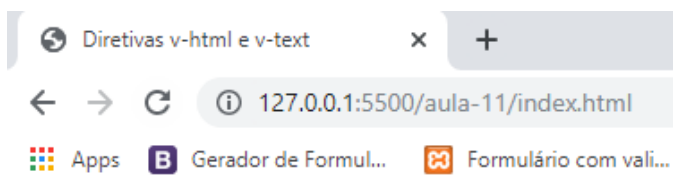
```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <link rel="stylesheet" href="../css/bootstrap.min.css">
  <title>Diretivas v-html e v-text</title>
</head>
<body>

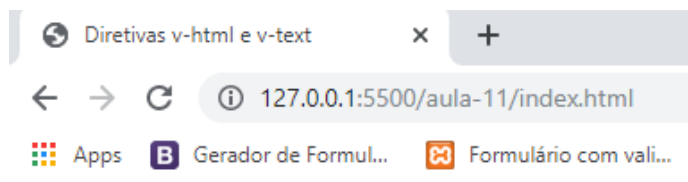
  <div id="root">
    <div class="container">
      <br>
      <span v-html="valor"></span>
      <button class="btn btn-primary" @click="t1">Título 1</button>
      <button class="btn btn-danger" @click="t2">Título 2</button>
      <button class="btn btn-success" @click="t3">Título 3</button>
    </div>
  </div>

  <script src="../js/vue.js"></script>
  <script src="js/script.js"></script>
</body>
</html>
```

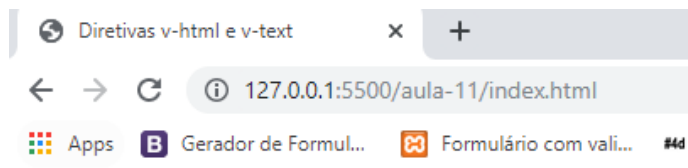
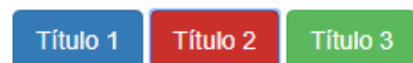

aula-11/js/script.js

```
let root = new Vue({
  el: "#root",
  data: {
    valor: '<p>Título Vue</p>'
  },
  methods: {
    t1: function(){
      this.valor = '<h1>Título Vue</h1>';
    },
    t2: function(){
      this.valor = '<h2>Título Vue</h2>';
    },
    t3: function(){
      this.valor = '<h3>Título Vue</h3>';
    },
  }
});
```





Título Vue



Título Vue



Aula 12 - Diretivas v-once e v-pre

aula-12/index.html

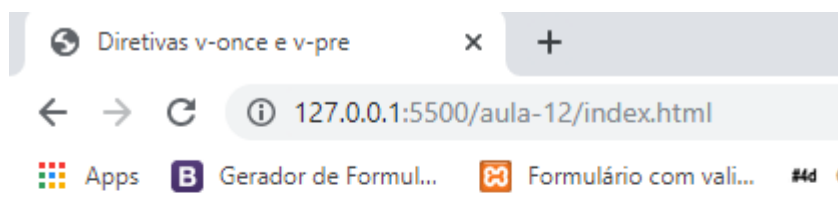
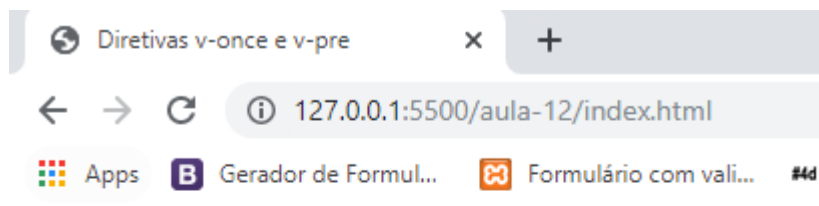
```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <link rel="stylesheet" href="../css/bootstrap.min.css">
  <title>Diretivas v-once e v-pre</title>
</head>
<body>

  <div id="root">
    <div class="container">
      <br>
      <p v-pre>{{Este é o texto dentro de double mustache}}</p>
      <p v-once>{{nome}}</p>
      <p v-text="nome"></p>
      <button class="btn btn-success" @click="executar">Click</button>
    </div>
  </div>

  <script src="../js/vue.js"></script>
  <script src="js/script.js"></script>
</body>
</html>
```

aula-12/js/script.js

```
let root = new Vue({
  el: "#root",
  data: {
    nome: "João"
  },
  methods: {
    executar: function(){
      this.nome = "Bruno";
    }
  }
});
```



Aula 13 - Diretivas v-show e v-if

aula-13/index.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <link rel="stylesheet" href="../css/bootstrap.min.css">
  <title>Diretivas v-show e v-if</title>
</head>
<body>

  <div id="root">
    <div class="container">
      <br />
      <p v-show="visivel" >Primeiro</p>
      <p v-if="visivel">Segundo</p>
      <br>
      <button class="btn btn-success" @click="executar">Click</button>
    </div>
  </div>

  <script src="../js/vue.js"></script>
  <script src="js/script.js"></script>
</body>
</html>
```

aula-13/js/script.js

```
let root = new Vue({
  el: "#root",
  data: {
    visivel: true
  },
  methods: {
    executar: function() {
      this.visivel = !this.visivel;
    }
  }
});
```

Diretivas v-show e v-if

127.0.0.1:5500/aula-13/index.html

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

Primeiro
Segundo

Click

Elements Console Sources Network Performance

```
<!doctype html>
<html lang="pt-br">
  <head>...</head>
  <body> == $0
    <div id="root">
      <div class="container">
        ::before
        <br>
        <p>Primeiro</p>
        <p>Segundo</p>
        <br>
        <button class="btn btn-success">Click</button>
        ::after
      </div>
    </div>
  </body>
</html>
```

Diretivas v-show e v-if

127.0.0.1:5500/aula-13/index.html

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

Click

Elements Console Sources Network Performance

```
<!doctype html>
<html lang="pt-br">
  <head>...</head>
  <body> == $0
    <div id="root">
      <div class="container">
        ::before
        <br>
        <p style="display: none;">Primeiro</p>
        <!-->
        <br>
        <button class="btn btn-success">Click</button>
        ::after
      </div>
    </div>
  </body>
</html>
```

Aula 14 - Introdução aos filters

aula-14/index.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <link rel="stylesheet" href="../css/bootstrap.min.css">
  <title>Introdução aos Filters</title>
</head>
<body>

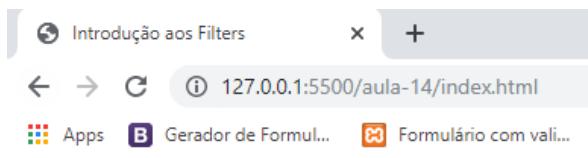
  <div id="root">
    <div class="container">
      <br />
      <input v-model="novoNome">
      <br /><br />
      <div>
        <button class="btn btn-success" @click="adicionar">Adicionar</button>
      </div>
      <hr />
      <ul>
        <li v-for="nome in nomes">{{nome | capitalizar}}</li>
      </ul>
      <hr />
      <ul>
        <li v-for="nome in nomes">{{nome}}</li>
      </ul>

    </div>
  </div>

  <script src="../js/vue.js"></script>
  <script src="js/script.js"></script>
</body>
</html>
```

aula-14/js/script.js

```
let root = new Vue({
  el: "#root",
  data: {
    novoNome: "",
    nomes: []
  },
  methods: {
    adicionar: function(){
      this.nomes.push(this.novoNome);
      this.novoNome = ' ';
    }
  },
  filters: {
    capitalizar: function(value){
      return value.toUpperCase();
    }
  }
});
```



Adicionar

- CARLOS
- JOÃO
- ANA
- ROBERTO
- MARIA

- carlos
- João
- Ana
- roberto
- maria

Aula 15 - Computed properties

aula-15/index.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <link rel="stylesheet" href="../css/bootstrap.min.css">
  <title>Introdução aos Filters</title>
</head>
<body>

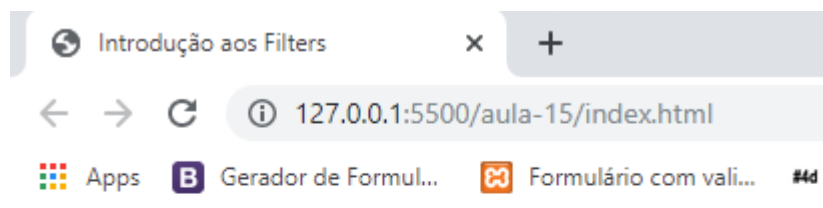
  <div id="root">
    <div class="container">
      <br />
      <input v-model="novoNome">
      <br /><br />
      <div>
        <button class="btn btn-success" @click="adicionar">Adicionar</button>
      </div>
      <hr />
      <ul>
        <li v-for="nome in nomes">{{nome | capitalizar}}</li>
      </ul>
      <hr />
      <ul>
        <li v-for="nome in nomes">{{nome}}</li>
      </ul>

    </div>
  </div>

  <script src="../js/vue.js"></script>
  <script src="js/script.js"></script>
</body>
</html>
```

aula-15/js/script.js

```
let root = new Vue({  
  el: "#root",  
  data: {  
    nome: 'João',  
    sobrenome: 'Ribeiro'  
  },  
  methods: {  
    nomeCompletoM: function(){  
      return this.nome + " " + this.sobrenome;  
    }  
  },  
  computed: {  
    nomeCompletoC: function(){  
      return this.nome + " " + this.sobrenome;  
    }  
  }  
});
```



O meu nome é João Luis Dias Ribeiro

O meu nome é João Luis Dias Ribeiro

João Luis Dias

Aula 16 - Introdução a custom components

aula-16/index.html

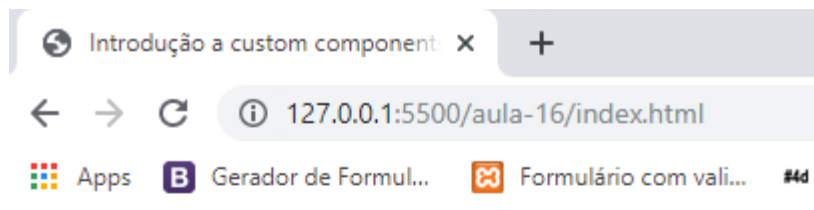
```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <link rel="stylesheet" href="../css/bootstrap.min.css">
  <title>Introdução a custom components</title>
</head>
<body>
  <div id="root">
    <div class="container">
      <br />
      <novo></novo>
      <novo />
    </div>
  </div>

  <script src="../js/vue.js"></script>
  <script src="js/script.js"></script>
</body>
</html>
```

aula-16/js/script.js

```
Vue.component('novo', {
  template: `
    <div>
      <p>Olá Mundo!</p>
      <h1>Título 1</h1>
      <h2>Título 2</h2>
      <hr />
    </div>
  `
})

let root = new Vue({
  el: "#root",
  component: [
    'novo'
  ]
});
```



Olá Mundo!

Título 1

Título 2

Olá Mundo!

Título 1

Título 2

Aula 17 - Components dentro de components

aula-17/index.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <link rel="stylesheet" href="../css/bootstrap.min.css">
  <title>Components dentro de components</title>
</head>
<body>

  <div id="root">
    <div class="container">
      <br />
      <pai></pai>
    </div>
  </div>

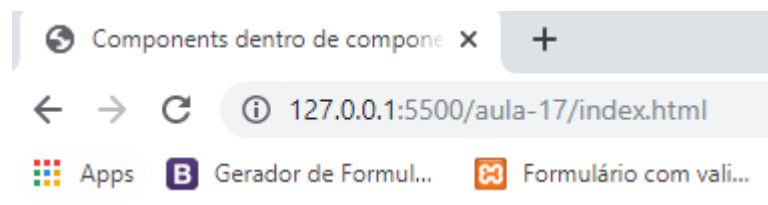
  <script src="../js/vue.js"></script>
  <script src="js/script.js"></script>
</body>
</html>
```

aula-17/js/script.js

```
Vue.component('pai', {
  template: `
    <div>
      <p>Este é o texto do componente pai</p>
      <filho></filho>
    </div>
  `,
})

Vue.component('filho', {
  template: `
    <div>
      <p>Este é o texto do componente filho</p>
    </div>
  `,
})
```

```
let root = new Vue({  
  el: "#root",  
  component: [  
    'pai',  
    'filho'  
  ]  
});
```



Este é o texto do componente pai

Este é o texto do componente filho

Aula 18 - Introdução a props

aula-18/index.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <link rel="stylesheet" href="../css/bootstrap.min.css">
  <title>Introdução a props</title>
</head>
<body>

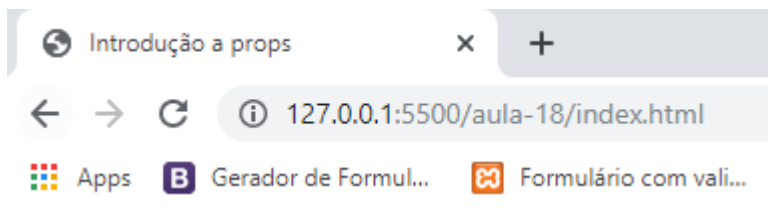
  <div id="root">
    <div class="container">
      <br />
      <lista-nomes :nombrescomponent = 'nombres'></lista-nomes>
    </div>
  </div>

  <script src="../js/vue.js"></script>
  <script src="js/script.js"></script>
</body>
</html>
```

aula-18/js/script.js

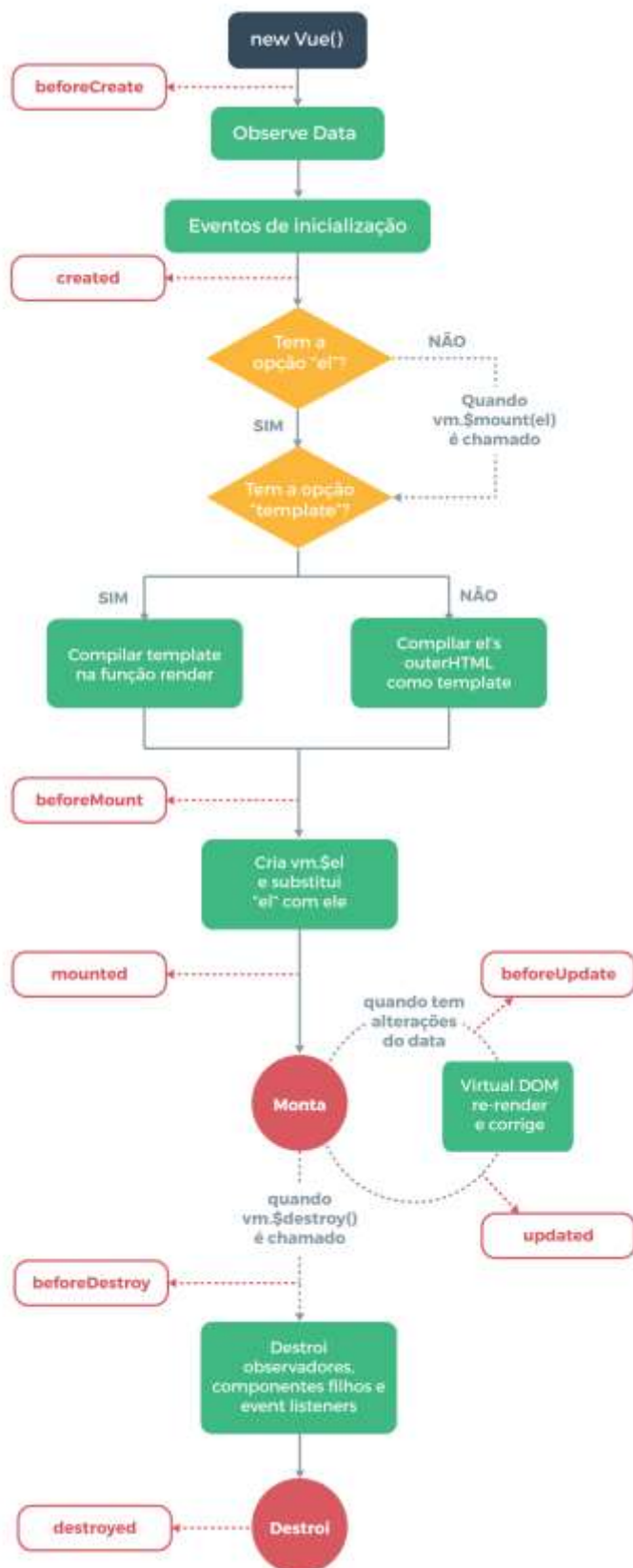
```
Vue.component('lista-nomes', {
  props: [
    'nomescomponent'
  ],
  template:
    `
    <ul>
      <li v-for="nome in nomescomponent">{{nome}}</li>
    </ul>
    `
})

let root = new Vue({
  el: "#root",
  data: {
    nomes: ['João', 'Ana', 'Carlos']
  }
});
```



- João
- Ana
- Carlos

Aula 19 - Ciclo de vida da instância Vue



aula-19/index.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <link rel="stylesheet" href="../css/bootstrap.min.css">
  <title>Ciclo de vida da instância Vue</title>
</head>
<body>
  <div id="root">
    <div class="container">
      <br />
      <p>{{nome}}</p>
      <button class="btn btn-primary" @click="click">Click</button>
      <button class="btn btn-danger" @click="destruir">Destruir</button>
    </div>
  </div>

  <script src="../js/vue.js"></script>
  <script src="js/script.js"></script>
</body>
</html>
```

aula-19/js/script.js

```
let root = new Vue({
  el: "#root",

  data: {
    nome: ""
  },

  methods: {
    click: function(){
      this.nome = 'João';
    },
    destruir: function(){
      root.$destroy();
    }
  },

  created: function(){
    console.log('Criada');
  },
});
```

```

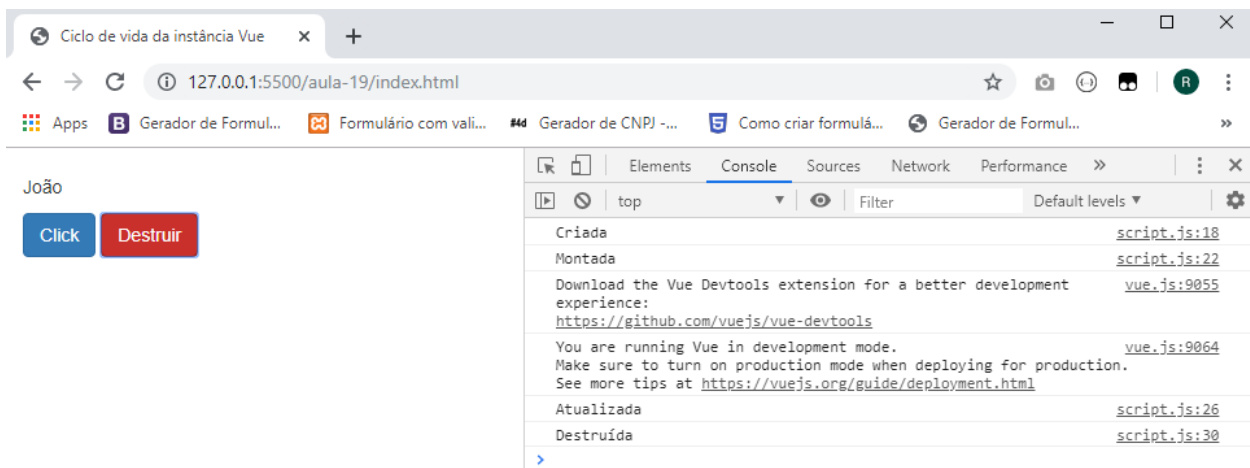
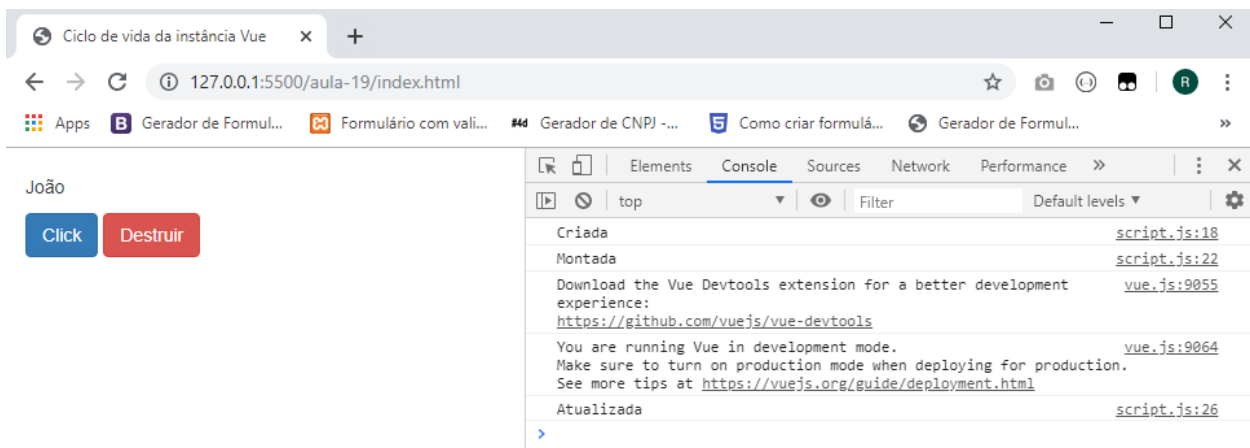
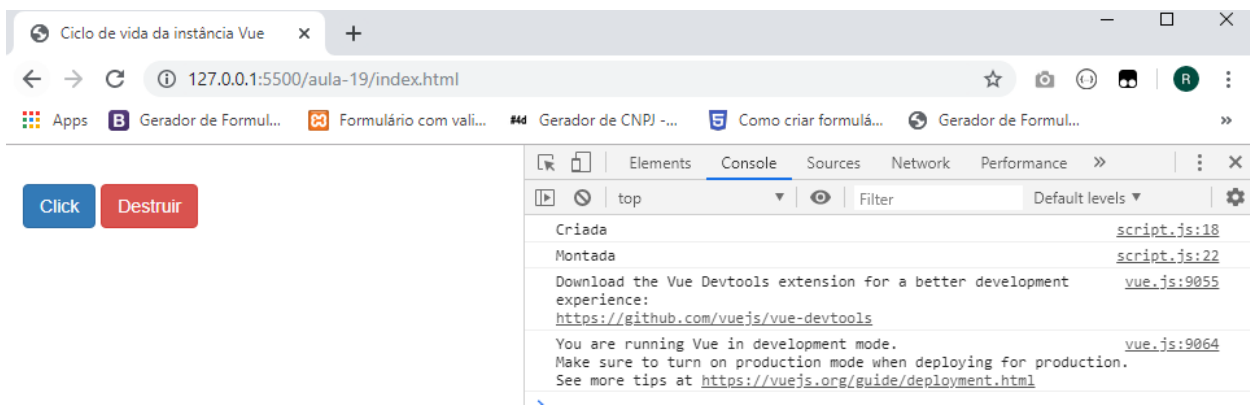
mounted: function(){
  console.log('Montada');
},

updated: function(){
  console.log('Atualizada');
},

destroyed: function(){
  console.log('Destruída');
}

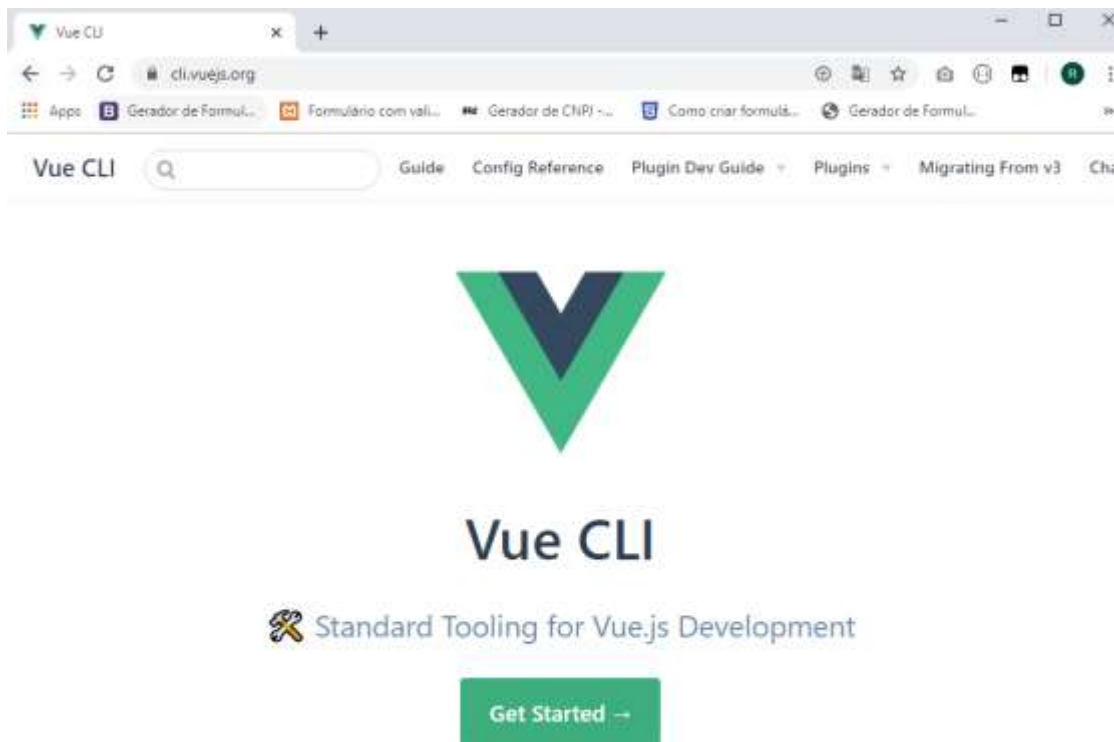
});

```



Aula 20 - Instalação da Vue CLI

<https://cli.vuejs.org/>



- Inicialmente instale o Node JS.

```
PS C:\sites\vuejs-blauweb> npm -v
6.12.0
```

- Em seguida instale o Vue CLI com o seguinte comando:

`npm install -g @vue/cli`

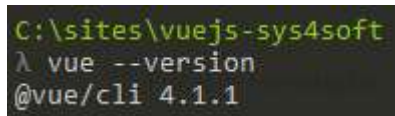
```
npm install -g @vue/cli
# OR
yarn global add @vue/cli
```

```
Thank you for installing EJS: built with the Jake JavaScript build tool (https://jakejs.com/)

npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.11 (node_modules\@vue\cli\node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.11: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})

+ @vue/cli@4.1.1
added 1882 packages from 623 contributors in 355.631s
```

vue --version



```
C:\sites\vuejs-sys4soft  
λ vue --version  
@vue/cli 4.1.1
```

A screenshot of a Windows command prompt window. The title bar is not visible. The background is black. The text is displayed in a monospaced font. The first line is the directory path 'C:\sites\vuejs-sys4soft' in green. The second line is the command 'λ vue --version' in white, with a green lambda symbol. The third line is the output '@vue/cli 4.1.1' in white.

- Instale o cmdr.

Aula 22 - Criação de um projeto com Vue CLI

vue create vuecli001

```
Vue CLI v4.1.1
❖❖ Creating project in C:\sites\vuejs-sys4soft\vuecli001.
📦 Initializing git repository...
🔧 Installing CLI plugins. This might take a while...

> yorkie@2.0.0 install C:\sites\vuejs-sys4soft\vuecli001\node_modules\yorkie
> node bin/install.js

setting up Git hooks
done

> core-js@3.6.0 postinstall C:\sites\vuejs-sys4soft\vuecli001\node_modules\core-js
> node -e "try{require('./postinstall')}catch(e){}"

> ejs@2.7.4 postinstall C:\sites\vuejs-sys4soft\vuecli001\node_modules\ejs
> node ./postinstall.js

added 1130 packages from 826 contributors and audited 24264 packages in 247.12s
found 0 vulnerabilities

📦 Invoking generators...
📦 Installing additional dependencies...

added 59 packages from 53 contributors and audited 24551 packages in 44.447s
found 0 vulnerabilities

🔧 Running completion hooks...

📦 Generating README.md...

📦 Successfully created project vuecli001.
📦 Get started with the following commands:

$ cd vuecli001
$ npm run serve

C:\sites\vuejs-sys4soft
λ
```

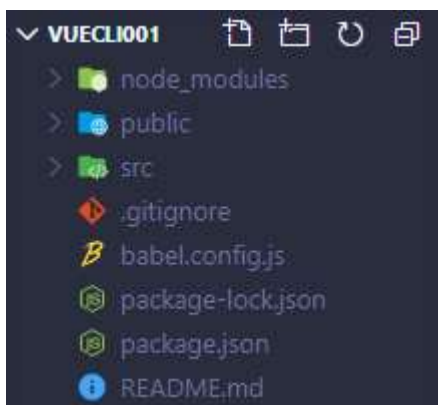
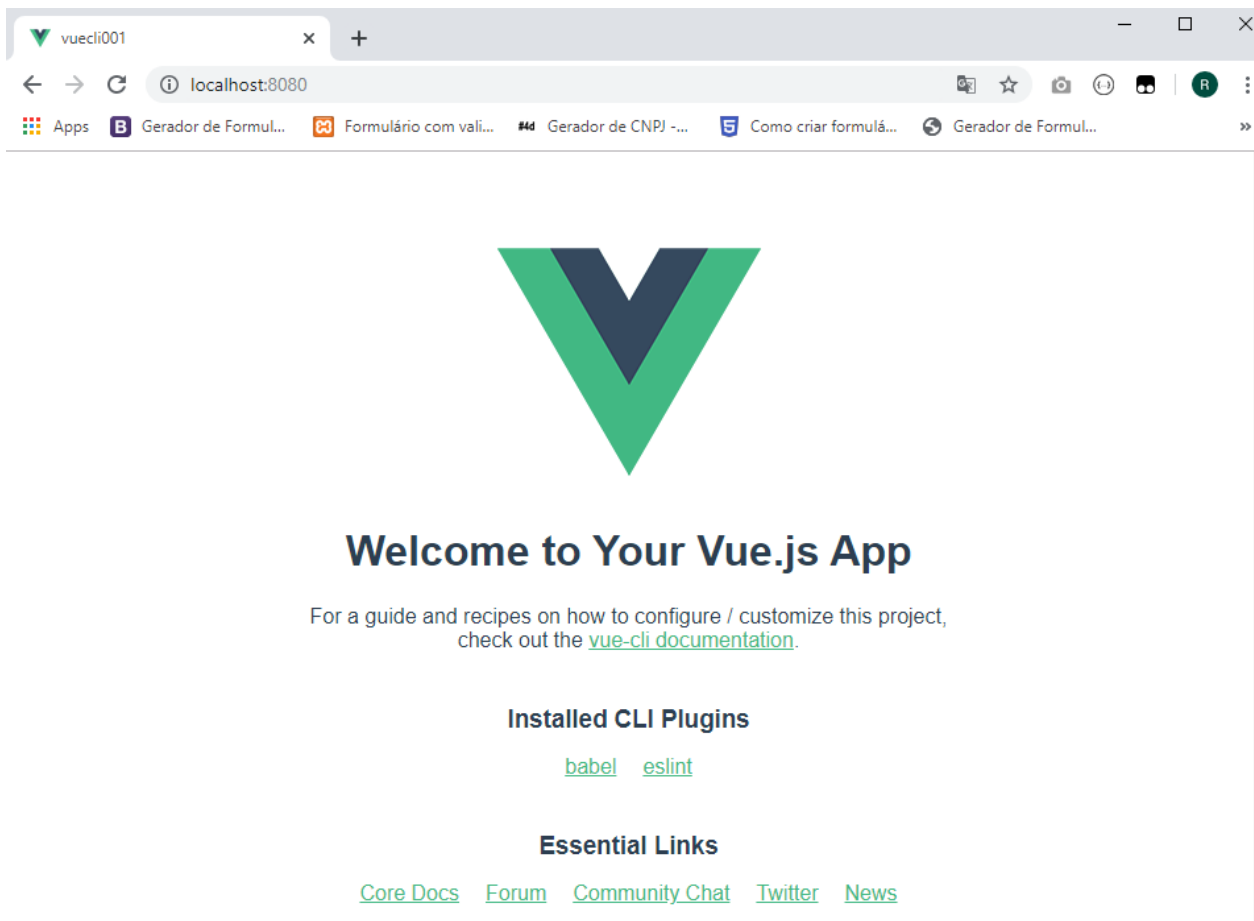
cd vuecli001

npm run serve

```
DONE Compiled successfully in 9540ms

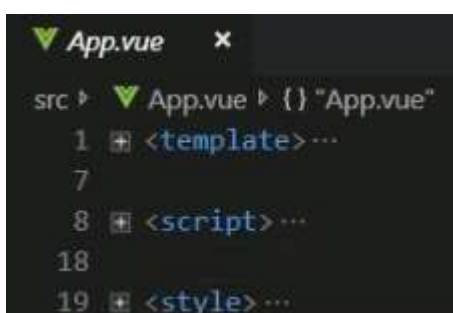
App running at:
- Local: http://localhost:8080/
- Network: http://192.168.0.10:8080/

Note that the development build is not optimized.
To create a production build, run npm run build.
```



- Instale o plugin Vetur.

Áreas de uma app vue:



Aula 23 - Análise e alteração de um projeto Vue CLI

src\components\Novo.vue

```
<template>
  <div>
    <h1>Olá Vue!</h1>
  </div>
</template>
```

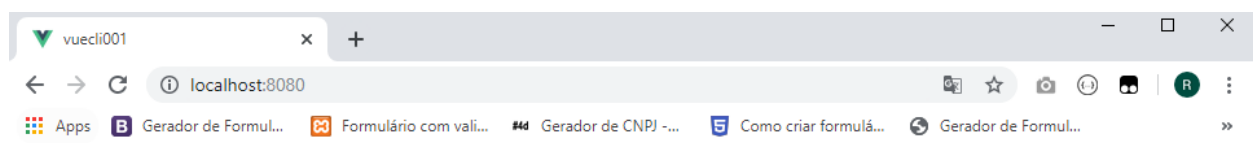
src\App.vue

```
<template>
  <div id="app">
    <p>Este é o componente App</p>
    <novo />
  </div>
</template>

<script>
import Novo from './components/Novo.vue'

export default {
  name: 'app',
  components: {
    Novo
  }
}
</script>

<style>
#app {
  font-family: 'Avenir', Helvetica, Arial, sans-serif;
  -webkit-font-smoothing: antialiased;
  -moz-osx-font-smoothing: grayscale;
  text-align: center;
  color: #2c3e50;
  margin-top: 60px;
}
</style>
```



Este é o componente App

Olá Vue!

Aula 24 - Mais sobre componentes Vue e NPM

src\components\Novo.vue

```
<template>
  <div>
    <h1>Olá mundo! Meu nome é {{nome}} {{sobrenome}}</h1>
  </div>
</template>

<script>
export default {
  methods: {
    click: function(){

    }
  },
  data: function(){
    return {
      nome: "João",
      sobrenome: "Ribeiro"
    }
  }
}
</script>
```

src\App.vue

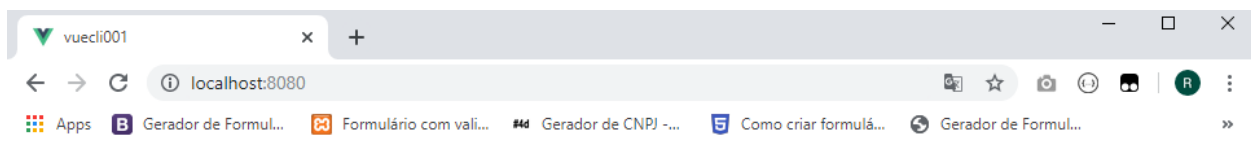
```
<template>
  <div id="app">
    <novo />
  </div>
</template>

<script>
import Novo from './components/Novo.vue'

export default {
  name: 'app',
  components: {
    Novo
  }
}
</script>

<style>
```

```
#app {  
  font-family: 'Avenir', Helvetica, Arial, sans-serif;  
  -webkit-font-smoothing: antialiased;  
  -moz-osx-font-smoothing: grayscale;  
  text-align: center;  
  color: #2c3e50;  
  margin-top: 60px;  
}  
</style>
```



Olá mundo! Meu nome é João Ribeiro

Aula 25 - Custom Components na Vue CLI

src\components\componente1.vue

```
<template>
  <div>
    <input type="text" v-model="nome">
    <p>O valor inserido é {{nome}}</p>
    <div>
      <button @click="limpar">Limpar</button>
    </div>
    <br />
  </div>
</template>

<script>
export default {
  data: function(){
    return {
      nome: ""
    }
  },
  methods: {
    limpar: function(){
      this.nome = "";
    }
  }
}
</script>

<style>

</style>
```

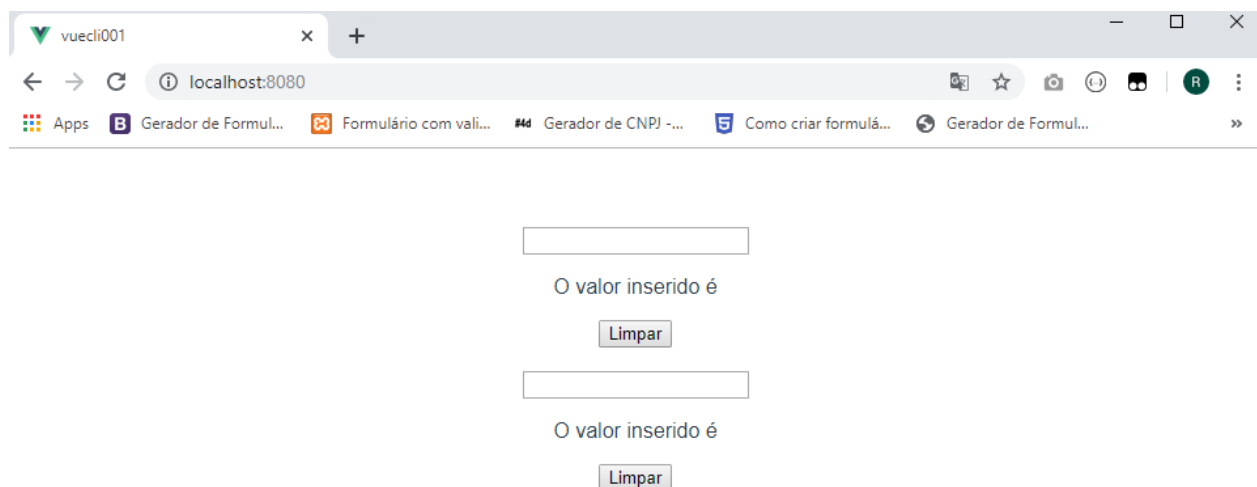
src\App.vue

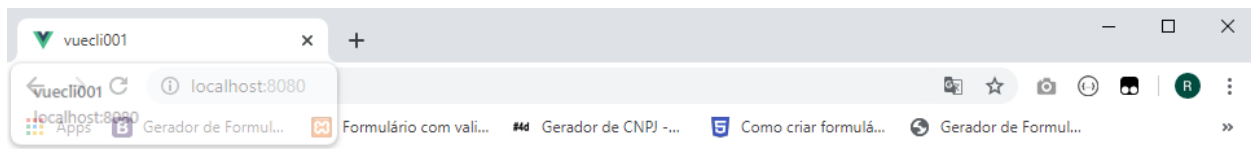
```
<template>
  <div id="app">
    <componente1></componente1>
    <componente1 />
  </div>
</template>

<script>
// import Novo from './components/Novo.vue'
import componente1 from "./components/componente1.vue";

export default {
  name: 'app',
  components: {
    componente1
  }
}
</script>

<style>
#app {
  font-family: 'Avenir', Helvetica, Arial, sans-serif;
  -webkit-font-smoothing: antialiased;
  -moz-osx-font-smoothing: grayscale;
  text-align: center;
  color: #2c3e50;
  margin-top: 60px;
}
</style>
```





João

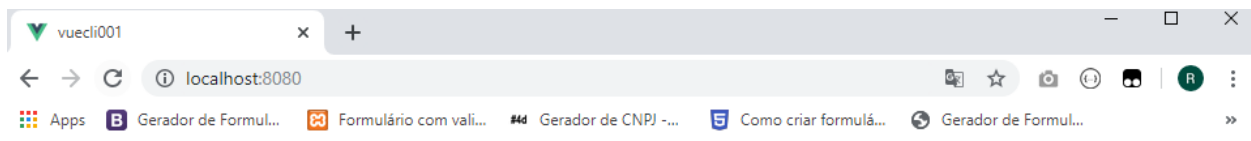
O valor inserido é João

Limpar

Roberto

O valor inserido é Roberto

Limpar



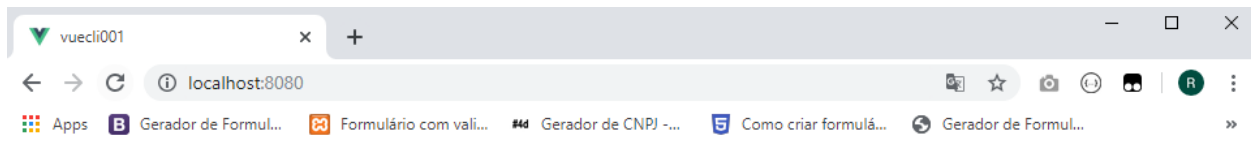
O valor inserido é

Limpar

Roberto

O valor inserido é Roberto

Limpar



O valor inserido é

Limpar

O valor inserido é

Limpar

Aula 26 - É possível ter duas instâncias Vue

src\main.js

```
import Vue from 'vue'
import App from './App.vue'
import App1 from './App1.vue'

Vue.config.productionTip = false

new Vue({
  render: h => h(App),
}).$mount('#app')

new Vue({
  render: h => h(App1),
}).$mount('#app1')
```

public\index.html

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="utf-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width,initial-scale=1.0">
    <link rel="icon" href="<%= BASE_URL %>favicon.ico">
    <title>vuecli001</title>
  </head>
  <body>
    <noscript>
      <strong>We're sorry but vuecli001 doesn't work properly without JavaScript enabled. Please
enable it to continue.</strong>
    </noscript>
    <div id="app"></div>
    <div id="app1"></div>
    <!-- built files will be auto injected -->
  </body>
</html>
```

src\App.vue

```
<template>  
  <p>Componente APP</p>  
</template>
```

```
<script>
```

```
</script>
```

```
<style>
```

```
</style>
```

src\App1.vue

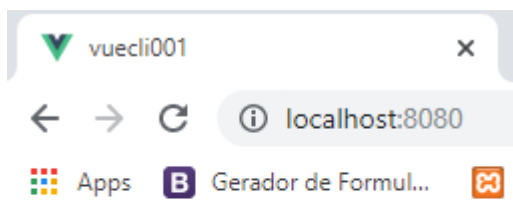
```
<template>  
  <p>Componente APP1</p>  
</template>
```

```
<script>
```

```
</script>
```

```
<style>
```

```
</style>
```



Componente APP

Componente APP1

Aula 27 - Registrar Custom Components globalmente

Os componentes podem ser registrados localmente ou globalmente.

Registrando um component globalmente

src\main.js

```
import Vue from 'vue'
import App from './App.vue'
import EstadoServidor from './components/EstadoServidor.vue'
```

```
Vue.config.productionTip = false
```

```
Vue.component('estado-servidor', EstadoServidor);
```

```
new Vue({
  render: h => h(App),
}).$mount('#app')
```


src\components\EstadoServidor.vue

```
<template>
  <div>
    <p>Estado do servidor: {{estado}}</p>
    <div>
      <button @click="ligar">Ligar</button>
      <button @click="desligar">Desligar</button>
    </div>
  </div>
</template>
```

```
<script>
export default {
  data: function(){
    return {
      estado: 'Ligado'
    }
  },
  methods: {
    ligar(){
      this.estado = "Ligado"
    },
    desligar(){
      this.estado = "Desligado"
    }
  }
}
</script>
```

src\App.vue

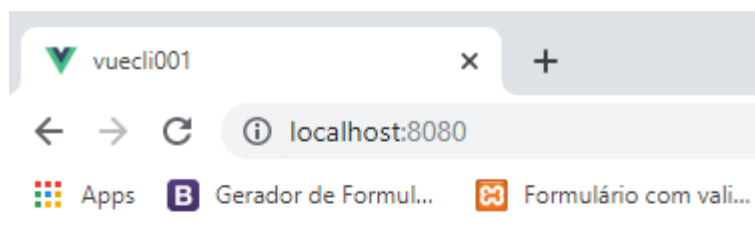
```
<template>
  <div>
    <h3>ESTADO DOS SERVIDORES</h3>
    <hr>
    <estado-servidor></estado-servidor>
    <estado-servidor></estado-servidor>
  </div>
</template>
```

```
<script>
```

```
</script>
```

```
<style>
```

```
</style>
```



ESTADO DOS SERVIDORES

Estado do servidor: Desligado

Estado do servidor: Ligado

Aula 28 - Bootstrap e acesso a base de dados - Esclarecimentos

Bootstrap CDN

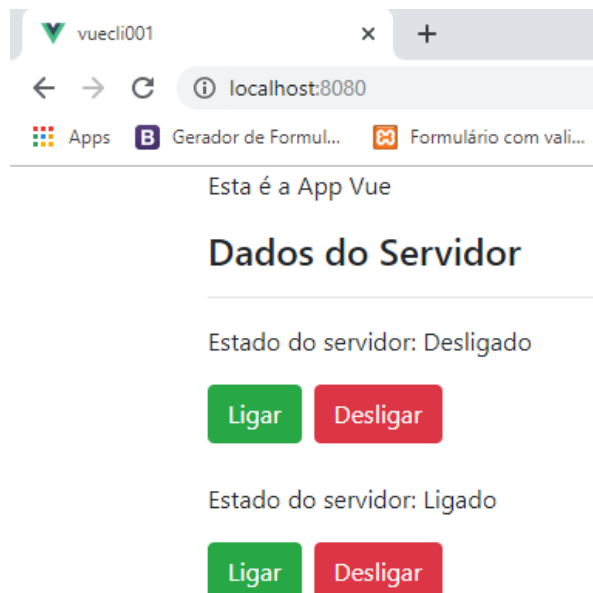
public\index.html

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="utf-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width,initial-scale=1.0">
    <link rel="icon" href="<%= BASE_URL %>favicon.ico">
    <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/bootstrap/4.4.1/css/bootstrap.min.css"
    integrity="sha384-Vkoo8x4CGsO3+Hhxv8T/Q5PaXtkKtu6ug5TOeNV6gBiFeWPGFN9MuhOf23Q9Ifjh" crosso-
    rigin="anonymous">
    <title>vuecli001</title>
  </head>
  <body>
    <noscript>
      <strong>We're sorry but vuecli001 doesn't work properly without JavaScript enabled. Please enable it to
continue.</strong>
    </noscript>
    <div class="container">
      <div id="app"></div>
    </div>
    <!-- built files will be auto injected -->
  </body>
</html>
```

src\components\EstadoServidor.vue

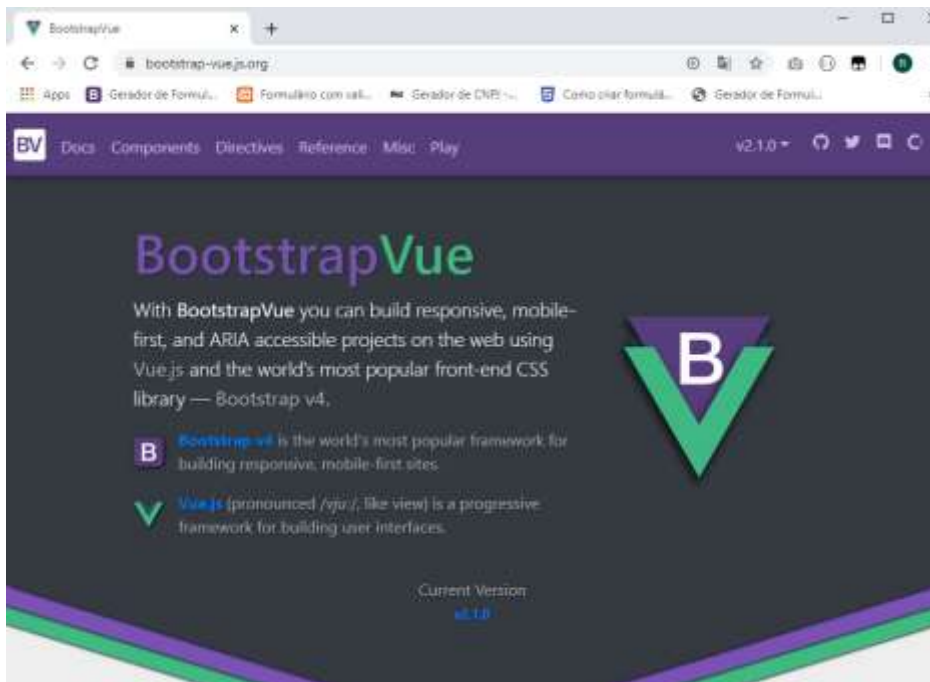
```
<template>
  <div>
    <p>Estado do servidor: {{estado}}</p>
    <div>
      <button class="btn btn-success mr-2" @click="ligar">Ligar</button>
      <button class="btn btn-danger" @click="desligar">Desligar</button>
    </div>
  </div>
</template>

<script>
export default {
  data: function(){
    return {
      estado: 'Ligado'
    }
  },
  methods: {
    ligar(){
      this.estado = "Ligado"
    },
    desligar(){
      this.estado = "Desligado"
    }
  }
}
</script>
```



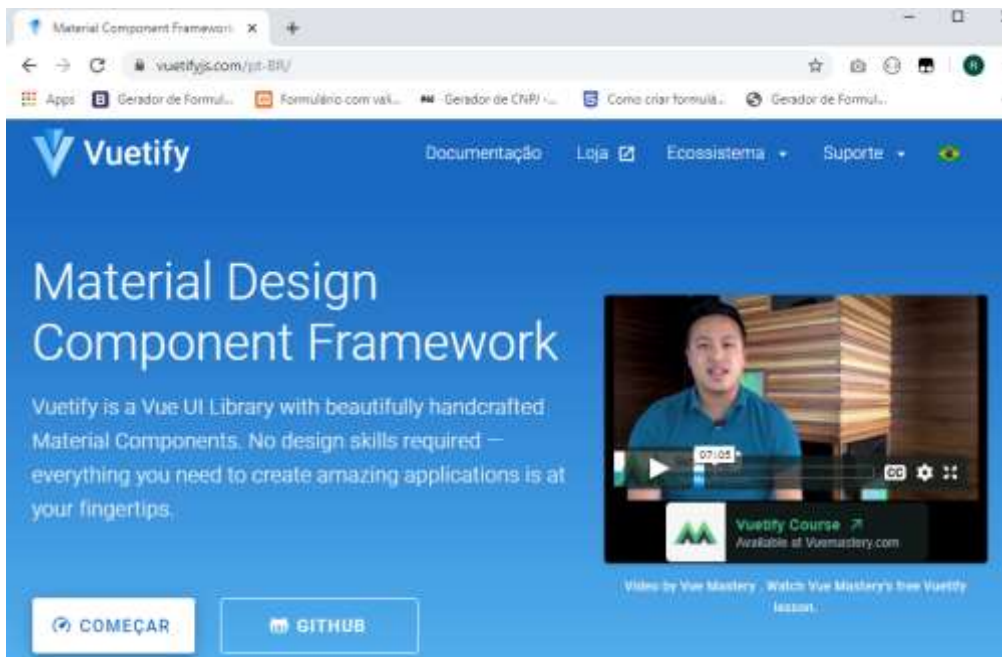
Bootstrap para Vue

<https://bootstrap-vue.js.org/>



Vuetify

<https://vuetifyjs.com/pt-BR/>



Aula 29 - Registrar componentes localmente

src\components\Servidor.vue

```
<template>
  <div>
    <p>Dados do Servidor</p>
  </div>
</template>
```

src\App.vue

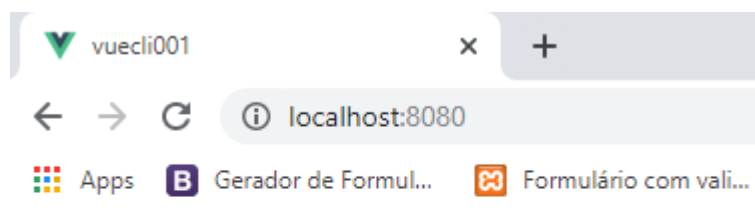
```
<template>
  <div>
    <h3>APP Component</h3>
    <app-servidor></app-servidor>
  </div>
</template>

<script>
import Servidor from "../components/Servidor";

export default {
  components: {
    'app-servidor': Servidor
  }
}
</script>

<style>

</style>
```



APP Component

Dados do Servidor

Aula 30 - Exercício prático com componentes locais

src\App.vue

```
<template>
  <div>
    <p>Esta é a App Vue</p>
    <app-servidor></app-servidor>
  </div>
</template>

<script>
import Servidor from "../components/Servidor";

export default {
  components: {
    'app-servidor': Servidor
  }
}
</script>
```

src\components\EstadoServidor.vue

```
<template>
  <div>
    <p>Estado do servidor: {{estado}}</p>
    <div>
      <button class="btn btn-success" @click="ligar">Ligar</button>
      <button class="btn btn-danger" @click="desligar">Desligar</button>
    </div>
  </div>
</template>

<script>
export default {
  data: function(){
    return {
      estado: 'Ligado'
    }
  },
  methods: {
    ligar(){
      this.estado = "Ligado"
    },
    desligar(){
      this.estado = "Desligado"
    }
  }
}
</script>
```

src\components\TemperaturaServidor.vue

```
<template>
  <div>
    <p>Temperatura do servidor: 55 graus</p>
  </div>
</template>
```

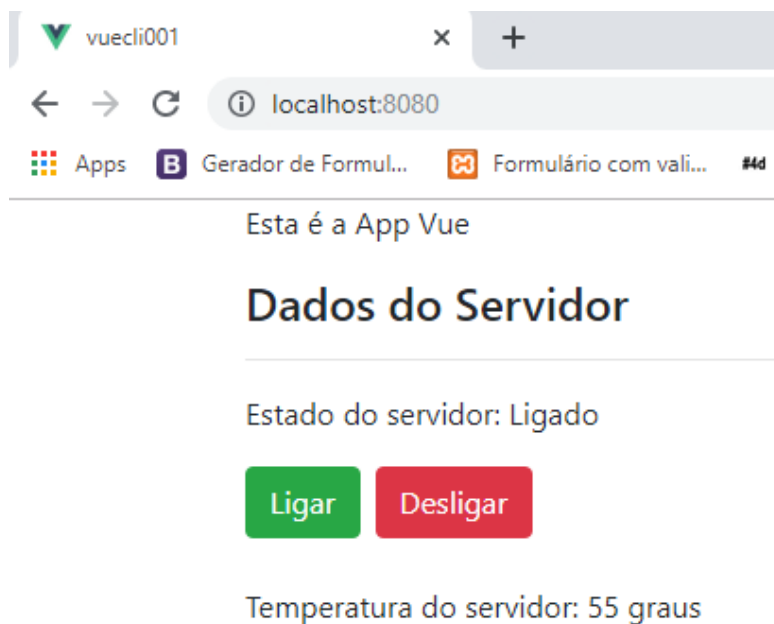

src\components\Servidor.vue

```
<template>
  <div>
    <h4>Dados do Servidor</h4>
    <hr>
    <app-estado-servidor></app-estado-servidor>
    <br />
    <app-temperatura-servidor></app-temperatura-servidor>
  </div>
</template>

<script>

import EstadoServidor from "../EstadoServidor";
import TemperaturaServidor from "../TemperaturaServidor";

export default {
  components:{
    'app-estado-servidor': EstadoServidor,
    'app-temperatura-servidor': TemperaturaServidor
  }
}
</script>
```



Aula 32 - Styles e scoped

src\components\comp1.vue

```
<template>
  <div>
    <p>Este é o texto do comp1.</p>
  </div>
</template>

<style scoped>
  p { color: red; }
</style>
```

src\components\comp2.vue

```
<template>
  <div>
    <p>Este é o texto do comp2.</p>
  </div>
</template>

<style scoped>
  p {
    background-color: yellow;
  }
</style>
```

src\App.vue

```
<template>
  <div>
    <p>App.vue</p>
    <comp1></comp1>
    <comp2></comp2>
  </div>
</template>

<script>
import comp1 from "./components/comp1";
import comp2 from "./components/comp2";

export default {
  components: {
    comp1, comp2
  }
}
</script>
```

<style>

</style>



Aula 33 - Comunicação de parent para child components

src\App.vue

```
<template>
  <div class="container mt-3 box">
    <div class="row">
      <div class="col-12 p-4">
        <P>Mecanismo para alterar o valor do nome</P>
        <button @click="alterarNome">Alterar nome</button>
        <app-detalhe v-bind:meunome="nomeoriginal"></app-detalhe>
      </div>
    </div>
  </div>
</template>

<script>
import Detalhe from './components/Detalhe';
export default {
  components: {
    'app-detalhe': Detalhe
  },
  data: function(){
    return {
      'nomeoriginal': 'João'
    }
  },
  methods:{
    alterarNome(){
      this.nomeoriginal = "Carlos";
    }
  }
}
</script>

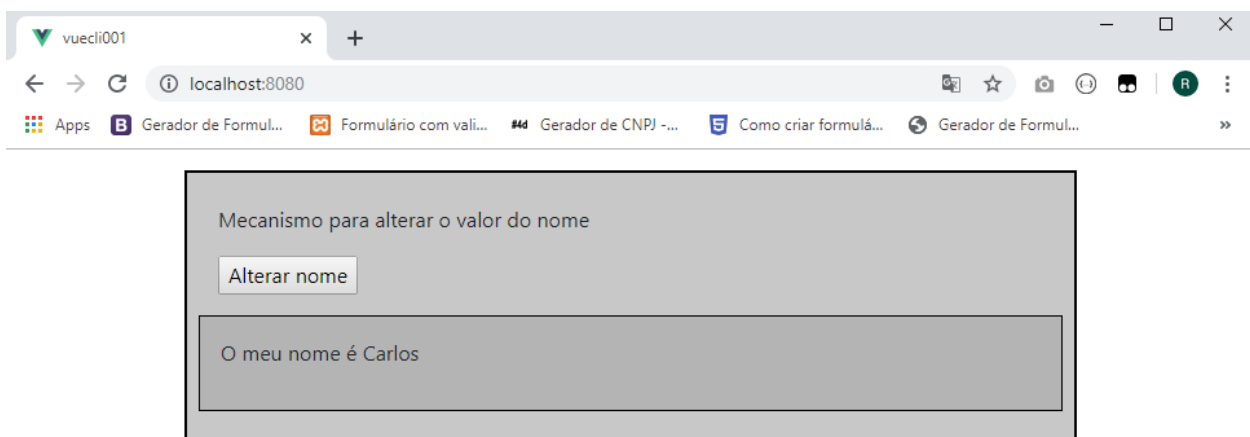
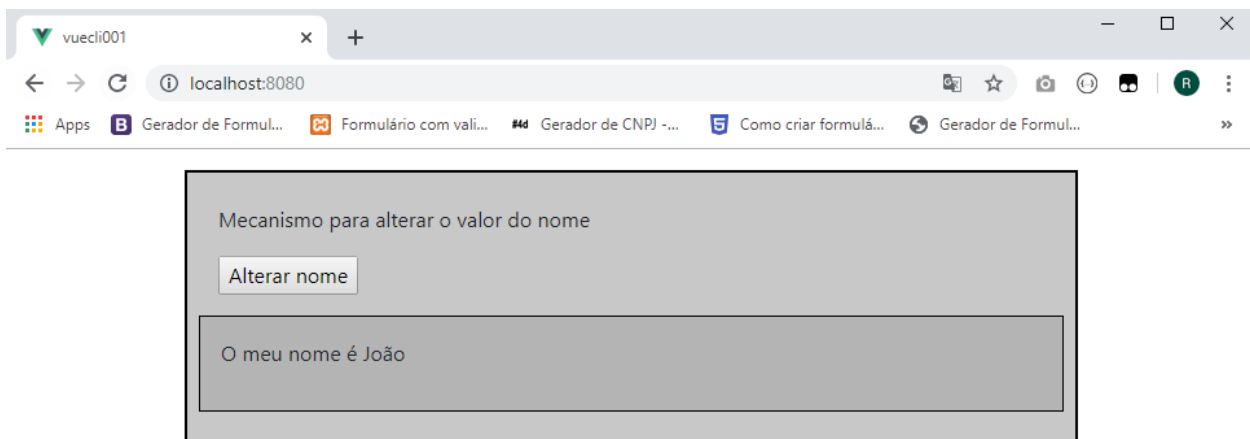
<style scoped>
.box{
  border: 2px solid black;
  background-color: rgb(200, 200, 200);
}
</style>
```

src\components\Detalhe.vue

```
<template>
  <div class="row box1 mt-3 p-3">
    <p>O meu nome é {{meunome}}</p>
  </div>
</template>

<script>
export default {
  props: ['meunome']
}
</script>

<style scoped>
  .box1{
    border: 1px solid black;
    background-color: rgb(180, 180, 180);
  }
</style>
```



Aula 34 - Comunicação de parent para child components - Exercício prático 1

src\components\infopessoa.vue

```
<template>
  <p>{{infonome}} {{infosobrenome}}</p>
</template>

<script>
export default {
  props: ['infonome', 'infosobrenome']
}
</script>
```

src\App.vue

```
<template>
  <div class="container mt-2">
    <button class="btn btn-primary mr-2" @click="mostrarNome">Nome</button>
    <button class="btn btn-success" @click="mostrarSobrenome">Sobrenome</button>
    <hr>
    <app-infopessoa :infonome="nome" :infosobrenome="sobrenome"></app-infopessoa>
  </div>
</template>

<script>
import infopessoa from './components/infopessoa';
export default {
  components: {
    'app-infopessoa': infopessoa
  },
  data: function(){
    return{
      nome: "",
      sobrenome: ""
    }
  },
  methods:{
    mostrarNome(){
      this.nome = "João";
    },
    mostrarSobrenome(){
      this.sobrenome = "Ribeiro"
    }
  }
}
</script>
```

vuecli001

x

+

←

→

↻

localhost:8080

Apps

Gerador de Formul...

Formulário com vali...

Gerador de CNPJ -...

Nome

Sobrenome

vuecli001

x

+

←

→

↻

localhost:8080

Apps

Gerador de Formul...

Formulário com vali...

Nome

Sobrenome

João

vuecli001

x

+

←

→

↻

localhost:8080

Apps

Gerador de Formul...

Formulário com vali...

Nome

Sobrenome

João Ribeiro

Aula 35 - Comunicação de parent para child components - Exercício prático 2

src\components\componente.vue

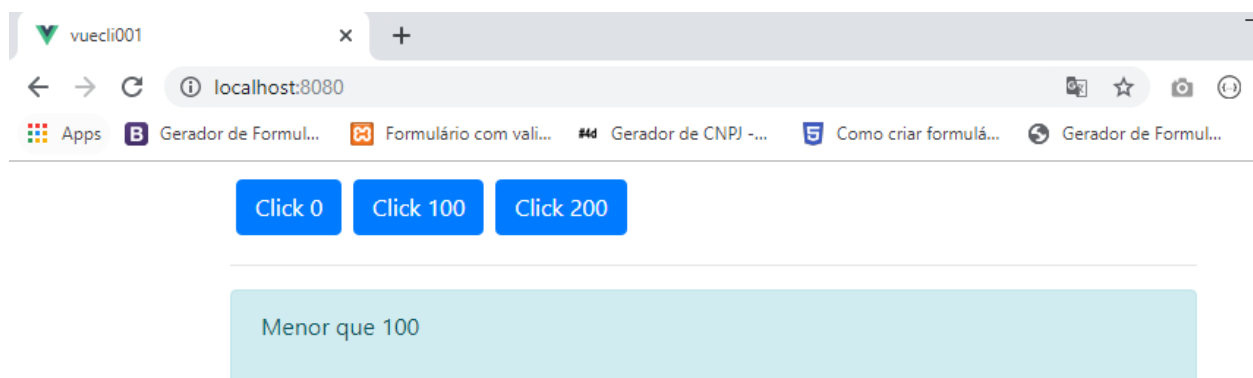
```
<template>
  <div class="alert alert-info">
    <p>{{analisar()}}</p>
  </div>
</template>

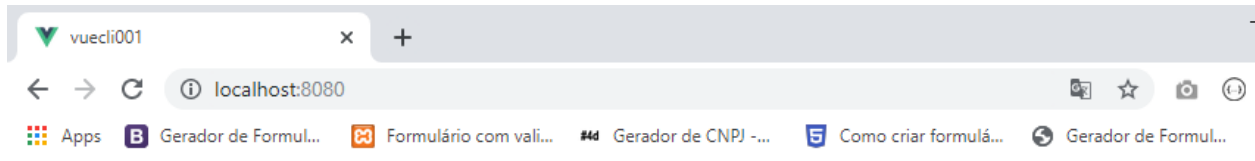
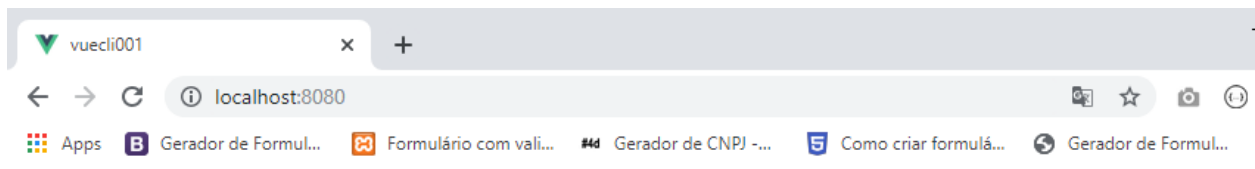
<script>
export default {
  props: ['meuvalor'],
  methods: {
    analisar(){
      if(this.meuvalor < 100){
        return 'Menor que 100';
      } else if (this.meuvalor == 100){
        return 'Igual a 100!';
      } else {
        return 'Maior que 100'
      }
    }
  }
}
</script>
```


src\App.vue

```
<template>
  <div class="container mt-2">
    <button class="btn btn-primary m-1" @click="executar(0)">Click 0</button>
    <button class="btn btn-primary m-1" @click="executar(100)">Click 100</button>
    <button class="btn btn-primary m-1" @click="executar(200)">Click 200</button>
    <hr>
    <!-- componente child -->
    <app-componente :meuvalor="valor"></app-componente>
  </div>
</template>
```

```
<script>
import componente from './components/componente';
export default {
  components: {
    'app-componente': componente
  },
  data: function(){
    return{
      valor: 0,
    }
  },
  methods:{
    executar(value){
      this.valor = value;
    }
  }
}
</script>
```





Aula 36 - Props Validation

src\components\componente.vue

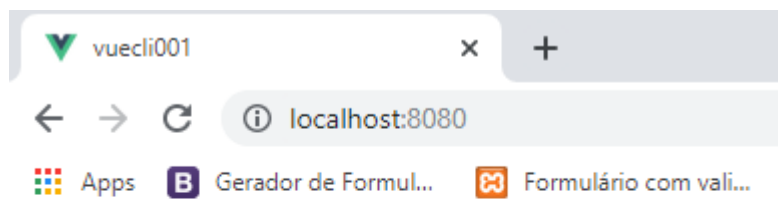
```
<template>
  <div>
    <p>Componente child</p>
    <p>{{valor1}}</p>
  </div>
</template>
```

```
<script>
export default {
  props: {
    valor1: {
      type: [String, Array],
      default: 'João Ribeiro'
    }
  }
}
</script>
```

src\App.vue

```
<template>
  <div>
    <p>Componente principal</p>
    <app-componente :valor1="nome"></app-componente>
  </div>
</template>
```

```
<script>
import componente from './components/componente';
export default {
  data: function(){
    return {
      nome: 'João'
    }
  },
  components: {
    'app-componente': componente
  }
}
</script>
```



Componente principal

Componente child

João

Aula 37 - Comunicação de child component para parent component

src\App.vue

```
<template>
  <div>
    <p>(App.vue) Nome = {{nome}}</p>
    <button class="btn btn-primary" @click="alterar">Alterar</button>
    <hr>
    <app-componente :meunome = nome @nomeAlterado="nome = $event"></app-componente>
  </div>
</template>

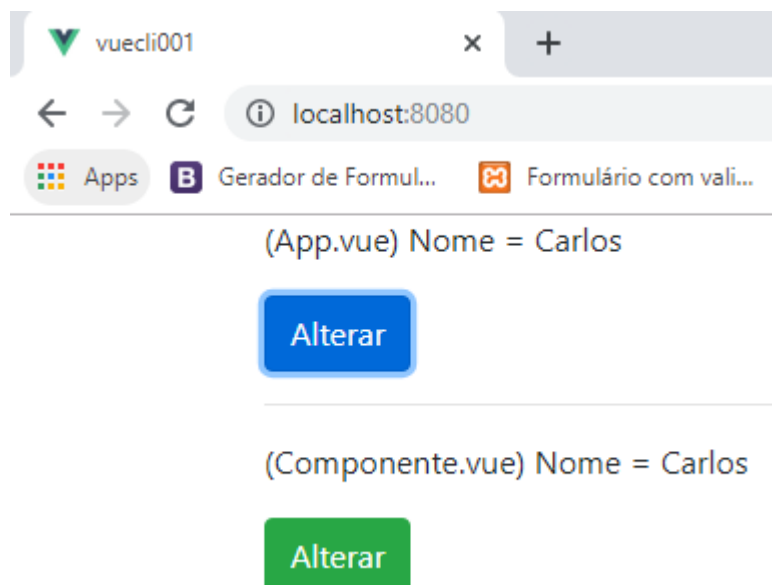
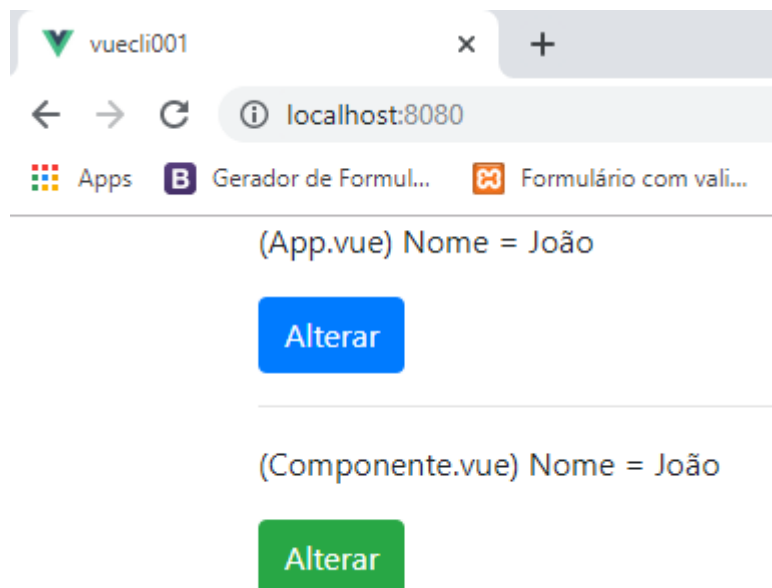
<script>
import componente from './components/componente'
export default {
  components: {
    'app-componente': componente
  },
  data: function(){
    return {
      nome: 'João'
    }
  },
  methods: {
    alterar(){
      this.nome='Carlos';
    }
  }
}
</script>
```

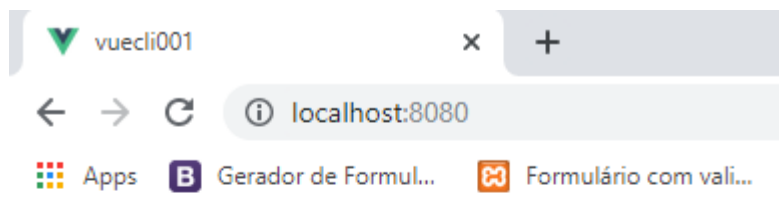
src\components\componente.vue

```
<template>
  <div>
    <p>(Componente.vue) Nome = {{meunome}} </p>
    <button class="btn btn-success" @click="alterar">Alterar</button>
  </div>
</template>

<script>
export default {
  props: [
    'meunome'
  ],
}
```

```
methods:{
  alterar(){
    this.meunome = 'Joaquim';
    this.$emit('nomeAlterado', this.meunome);
  }
}
}
</script>
```





(App.vue) Nome = Joaquim

Alterar

(Componente.vue) Nome = Joaquim

Alterar

Aula 39 - Múltiplos componentes dentro do index

aula-39/index.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <link rel="stylesheet" href="../css/bootstrap.min.css">
  <title>Múltiplos componentes dentro do index</title>
</head>
<body>

  <div id="app">
    <div class="container m-3">
      <p>{{nome}} {{sobrenome}}</p>
      <comp1></comp1>
      <comp2></comp2>

    </div>
  </div>

  <script src="../js/vue.js"></script>
  <script src="js/script.js"></script>
</body>
</html>
```


aula-39/js/script.js

```
// -----
```

```
Vue.component('comp1', {
  template:
    `
    <div>
      <p>Componente 1 - {{valor1}}</p>
      <p>Componente 1 - {{valor2}}</p>
      <button class="btn btn-primary m-3" @click="executar">Clickar</button>
    </div>
    `
  ,
  data: function(){
    return {
      valor1: 100,
      valor2: 200
    }
  },
  methods:{
    executar: function(){
      this.valor1 = 2000,
      this.valor2 = 500
    }
  }
})
```

```
// -----
```

```
Vue.component('comp2', {
  template:
    `
    <p>Componente 2</p>
    `
})
```

```
// -----
```

```
let app = new Vue({
  el: "#app",

  data: {
    nome: 'João',
    sobrenome: 'Ribeiro'
  }
});
```

Múltiplos componentes dentro d x +

← → ↻ ⓘ 127.0.0.1:5500/aula-39/index.html

Apps B Gerador de Formul... Formulário com vali...

João Ribeiro

Componente 1 - 100

Componente 1 - 200

Clicar

Componente 2

João Ribeiro

Componente 1 - 2000

Componente 1 - 500

Clicar

Componente 2

Aula 40 - Comunicação entre componentes dentro do index

aula-40/index.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <link rel="stylesheet" href="../css/bootstrap.min.css">
  <title>Comunicação entre componentes dentro do index</title>
</head>
<body>

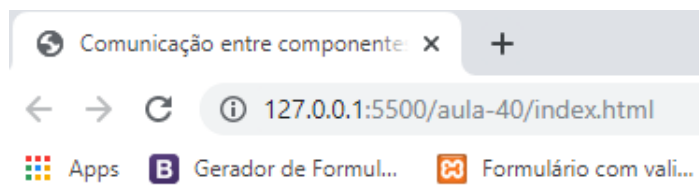
  <div id="app">
    <div class="container m-3">
      <p>Esse texto é da instância Vue</p>
      <button class="btn btn-primary m-2" @click="alterar">Alterar</button>
      <hr>
      <comp1 :valor = "valor"></comp1>
    </div>
  </div>

  <script src="../js/vue.js"></script>
  <script src="js/script.js"></script>
</body>
</html>
```

aula-40/js/script.js

```
// -----  
  
Vue.component('comp1', {  
  template:  
    `<div>  
      <p>Valor dentro do componente 1: {{valor}}</p>  
    </div>  
  
    `,  
  data: function(){  
    return {  
      valor: 1000  
    }  
  },  
  props: [  
    'valor'  
  ]  
})  
  
// -----
```

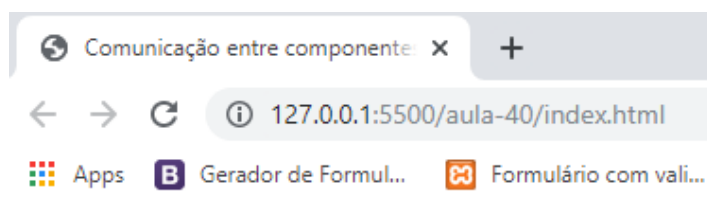
```
new Vue({  
  el: "#app",  
  data: {  
    valor: 20000  
  },  
  methods: {  
    alterar: function(){  
      this.valor += 500;  
      console.log(this.valor);  
    }  
  }  
});
```



Esse texto é da instância Vue

Alterar

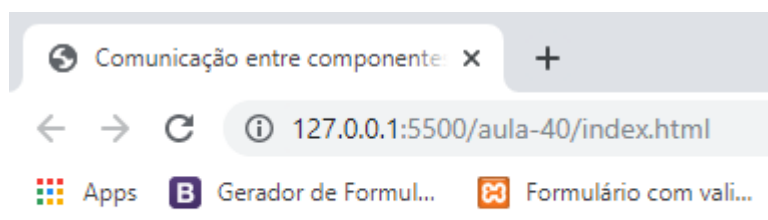
Valor dentro do componente 1: 20000



Esse texto é da instância Vue

Alterar

Valor dentro do componente 1: 20500



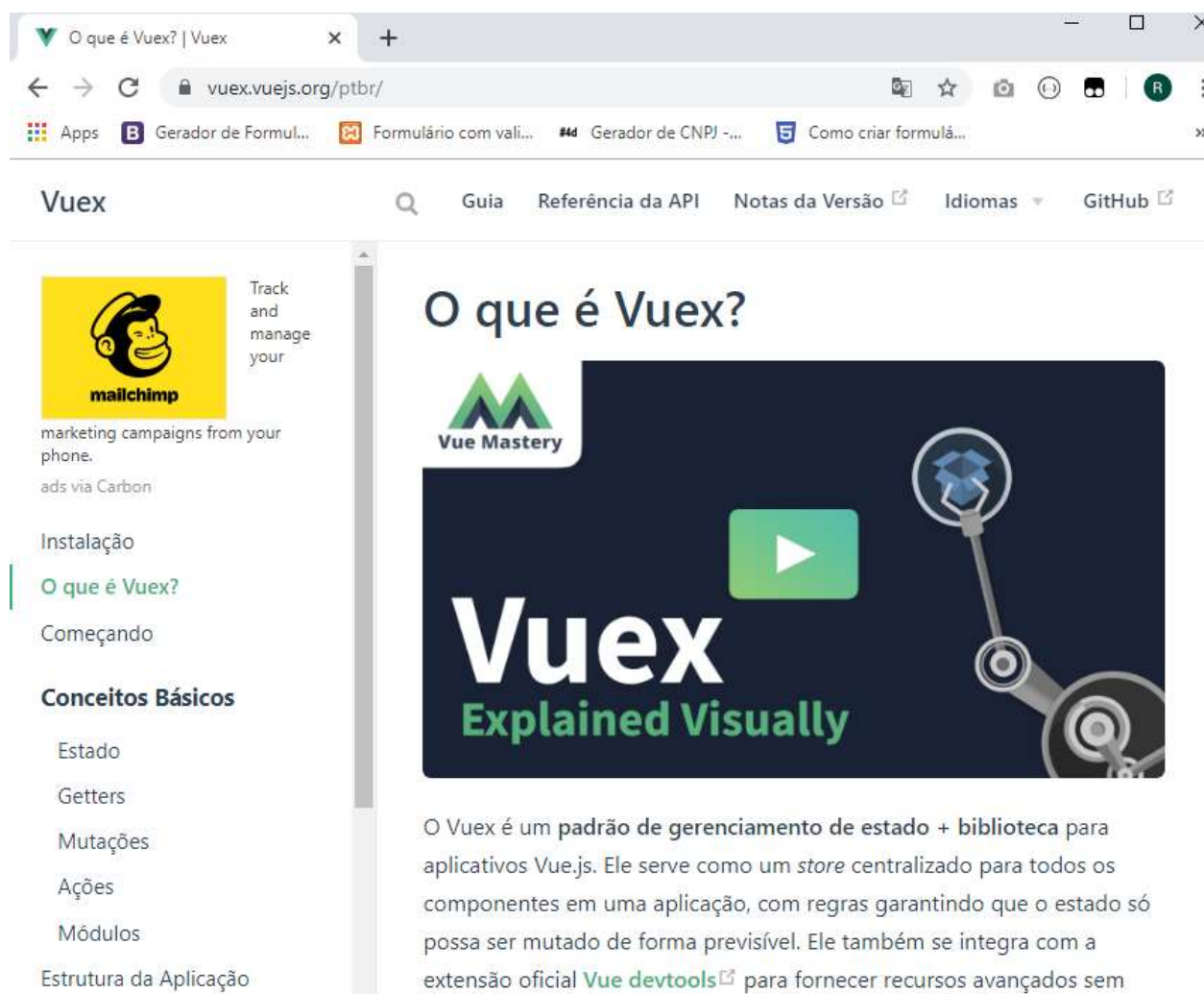
Esse texto é da instância Vue

Alterar

Valor dentro do componente 1: 21000

Aula 41 - Introdução ao VUEX

<https://vuex.vuejs.org/>



The screenshot shows the Vuex website in Portuguese. The browser address bar displays `vuex.vuejs.org/ptbr/`. The page features a sidebar on the left with navigation links: 'Instalação', 'O que é Vuex?' (highlighted), 'Começando', 'Conceitos Básicos' (with sub-links for 'Estado', 'Getters', 'Mutações', 'Ações', and 'Módulos'), and 'Estrutura da Aplicação'. The main content area is titled 'O que é Vuex?' and includes a video player with the text 'Vuex Explained Visually'. Below the video, a paragraph explains that Vuex is a state management pattern and library for Vue.js, serving as a centralized store for application components.

Vuex

Guia Referência da API Notas da Versão Idiomas GitHub

O que é Vuex?

Vuex
Explained Visually

O Vuex é um padrão de gerenciamento de estado + biblioteca para aplicativos Vue.js. Ele serve como um *store* centralizado para todos os componentes em uma aplicação, com regras garantindo que o estado só possa ser mutado de forma previsível. Ele também se integra com a extensão oficial **Vue devtools** para fornecer recursos avançados sem

aula-41/index.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <link rel="stylesheet" href="../css/bootstrap.min.css">
  <title>Introdução ao VUEX</title>
</head>
<body>

  <div id="app">
    <div class="container m-3">
      <p>O meu nome é {{meunome}} {{meusobrenome}}</p>
    </div>
  </div>

  <script src="https://cdn.jsdelivr.net/npm/vue/dist/vue.js"></script>
  <script src="https://cdnjs.cloudflare.com/ajax/libs/vuex/3.1.2/vuex.min.js"></script>
  <script src="js/script.js"></script>
</body>
</html>
```

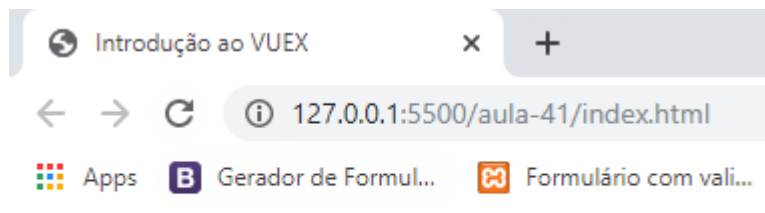
aula-41/js/script.js

```
// -----
// VUEX

const store = new Vuex.Store({
  state: {
    nome: 'João',
    sobrenome: 'Ribeiro'
  }
});

// -----

new Vue({
  el: "#app",
  computed: {
    meunome: function(){
      return store.state.nome;
    },
    meusobrenome: function(){
      return store.state.sobrenome;
    }
  }
});
```

O meu nome é João Ribeiro

Aula 42 - Mutations em VUEX

aula-42/index.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <link rel="stylesheet" href="../css/bootstrap.min.css">
  <title>Mutations em VUEX</title>
</head>
<body>

  <div id="app">
    <div class="container m-3">
      <button class="btn btn-success mr-2 mb-2" @click="aumentar()">Aumentar</button>
      <button class="btn btn-danger mb-2" @click="diminuir()">Diminuir</button>
      <p>Valor: {{valor}}</p>
    </div>
  </div>

  <script src="https://cdn.jsdelivr.net/npm/vue/dist/vue.js"></script>
  <script src="https://cdnjs.cloudflare.com/ajax/libs/vuex/3.1.2/vuex.min.js"></script>
  <script src="js/script.js"></script>
</body>
</html>
```

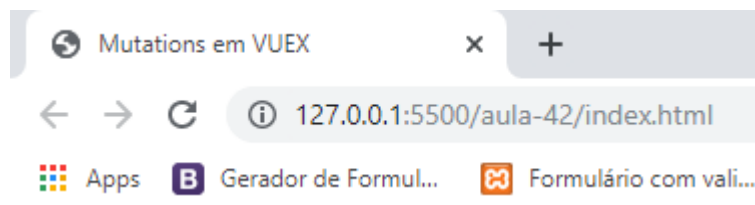
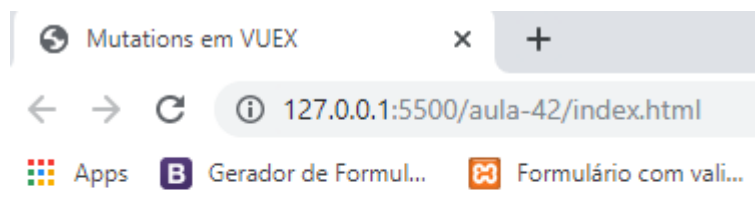
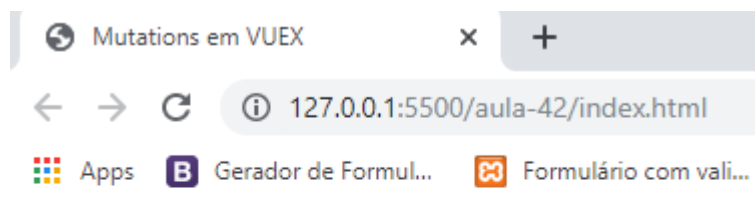
aula-42/js/script.js

```
// -----
// VUEX

const store = new Vuex.Store({
  state: {
    valor: 0
  },
  mutations: {
    incrementar(state){
      state.valor++;
    },
    decrementar(state){
      state.valor--;
    }
  }
});

// -----
```

```
new Vue({
  el: "#app",
  computed: {
    valor: function() {
      return store.state.valor;
    }
  },
  methods: {
    aumentar: function() {
      store.commit('incrementar');
    },
    diminuir: function() {
      store.commit('decrementar');
    }
  }
});
```



Aula 43 - Mutations de VUEX em múltiplos components

aula-43/index.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <link rel="stylesheet" href="../css/bootstrap.min.css">
  <title>Mutations de VUEX em múltiplos components</title>
</head>
<body>

  <div id="app">
    <div class="container m-3">
      <p>Valor na instância: {{valor}}</p>
      <button class="btn btn-success mr-2 mb-2" @click="aumentar()">Aumentar</button>
      <button class="btn btn-danger mb-2" @click="diminuir()">Diminuir</button>
      <hr>
      <componente1></componente1>
    </div>
  </div>

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

aula-43/js/script.js

```
// -----
// VUEX

const store = new Vuex.Store({
  state: {
    valor: 0
  },
  mutations: {
    incrementar(state){
      state.valor++;
    },
    decrementar(state){
      state.valor--;
    }
  }
});
```

```
// -----
```

```
Vue.component('componente1', {
  template:
    `
    <div>
      <button @click="aumentar()" class="btn btn-success mr-2">Aumentar</button>
      <button @click="diminuir()" class="btn btn-danger">Diminuir</button>
    </div>
    `,
  methods: {
    aumentar: function(){
      store.commit('incrementar');
    },
    diminuir: function(){
      store.commit('decrementar');
    }
  }
})
```

```
// -----
```

```
new Vue({
  el: "#app",
  computed:{
    valor: function(){
      return store.state.valor;
    }
  },
  methods: {
    aumentar: function(){
      store.commit('incrementar');
    },
    diminuir: function(){
      store.commit('decrementar');
    }
  }
});
```

Mutations de VUEX em múltiplos x

+

← → ↺

127.0.0.1:5500/aula-43/index.html

Apps

B Gerador de Formul...

Formulário com vali...

Valor na instância: 0

Aumentar

Diminuir

Aumentar

Diminuir

Mutations de VUEX em múltiplos x

+

← → ↺

127.0.0.1:5500/aula-43/index.html

Apps

B Gerador de Formul...

Formulário com vali...

Valor na instância: 5

Aumentar

Diminuir

Aumentar

Diminuir

Mutations de VUEX em múltiplos x

+

← → ↺

127.0.0.1:5500/aula-43/index.html

Apps

B Gerador de Formul...

Formulário com vali...

Valor na instância: 3

Aumentar

Diminuir

Aumentar

Diminuir

Aula 44 - VUEX getters

aula-44/index.html

```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <link rel="stylesheet" href="../css/bootstrap.min.css">
  <title>VUEX getters</title>
</head>
<body>

  <div id="app">
    <div class="container m-3">
      <p>{{nomeCompleto}}</p>
      <componente1></componente1>
    </div>
  </div>

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

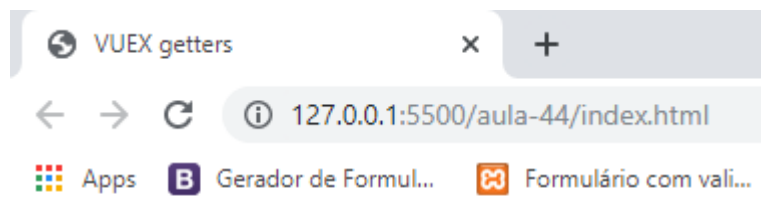
aula-44/js/script.js

```
// -----
// VUEX

const store = new Vuex.Store({
  state: {
    nome: 'João',
    sobrenome: 'Ribeiro'
  },
  getters: {
    nomeCompleto: function(state){
      return 'O meu nome é ' + state.nome + ' ' + state.sobrenome;
    }
  }
});

// -----
```

```
new Vue({  
  el: "#app",  
  computed: {  
    nomeCompleto: function() {  
      return store.getters.nomeCompleto;  
    }  
  }  
});
```



O meu nome é João Ribeiro

Aula 45 - VUEX mutations com parâmetros

aula-45/index.html

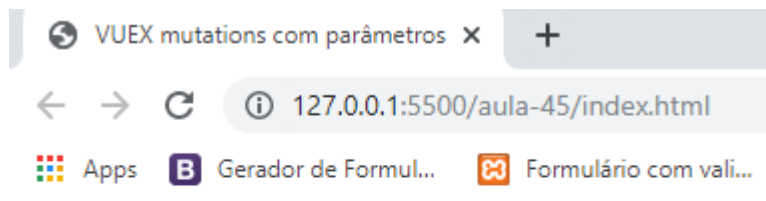
```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <link rel="stylesheet" href="../css/bootstrap.min.css">
  <title>VUEX mutations com parâmetros</title>
</head>
<body>

  <div id="app">
    <div class="container m-3">
      <p>Valor: {{valor}}</p>
      <button class="btn btn-success mr-2 mb-2" @click="aumentar()">Aumentar</button>
      <button class="btn btn-danger mb-2" @click="diminuir()">Diminuir</button>
    </div>
  </div>

  <script src="https://cdn.jsdelivr.net/npm/vue/dist/vue.js"></script>
  <script src="https://cdnjs.cloudflare.com/ajax/libs/vuex/3.1.2/vuex.min.js"></script>
  <script src="js/script.js"></script>
</body>
</html>
```

aula-45/js/script.js

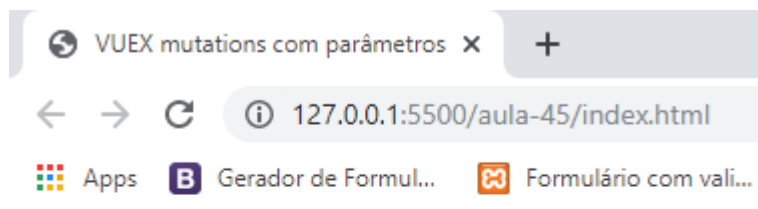
```
// -----  
// VUEX  
  
const store = new Vuex.Store({  
  state: {  
    valor: 0  
  },  
  mutations: {  
    aumentar: function(state, value) {  
      state.valor += value  
    },  
    diminuir: function(state, value) {  
      state.valor -= value  
    }  
  }  
});  
  
// -----  
  
new Vue({  
  el: "#app",  
  computed: {  
    valor: function() {  
      return store.state.valor;  
    }  
  },  
  methods: {  
    aumentar: function() {  
      store.commit('aumentar', 10);  
    },  
    diminuir: function() {  
      store.commit('diminuir', 5);  
    }  
  }  
});
```



Valor: 0

Aumentar

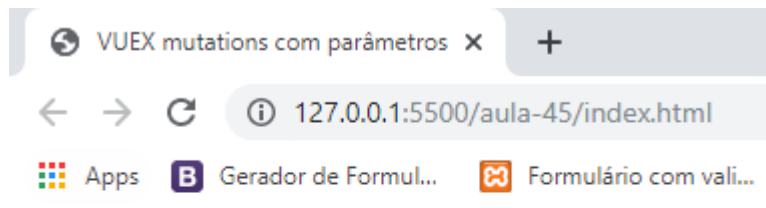
Diminuir



Valor: 10

Aumentar

Diminuir



Valor: 5

Aumentar

Diminuir

Aula 46 - VUEX actions

aula-46/index.html

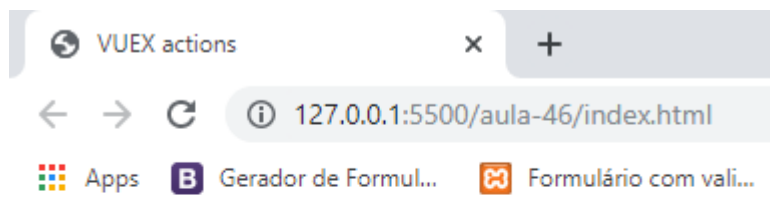
```
<!DOCTYPE html>
<html lang="pt-br">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <meta http-equiv="X-UA-Compatible" content="ie=edge">
  <link rel="stylesheet" href="../css/bootstrap.min.css">
  <title>VUEX actions</title>
</head>
<body>

  <div id="app">
    <div class="container m-3">
      <p>Valor: {{valor}}</p>
      <button class="btn btn-success mr-2 mb-2" @click="aumentar()">Aumentar</button>
      <button class="btn btn-danger mb-2" @click="diminuir()">Diminuir</button>
    </div>
  </div>

  <script src="https://cdn.jsdelivr.net/npm/vue/dist/vue.js"></script>
  <script src="https://cdnjs.cloudflare.com/ajax/libs/vuex/3.1.2/vuex.min.js"></script>
  <script src="js/script.js"></script>
</body>
</html>
```

aula-46/js/script.js

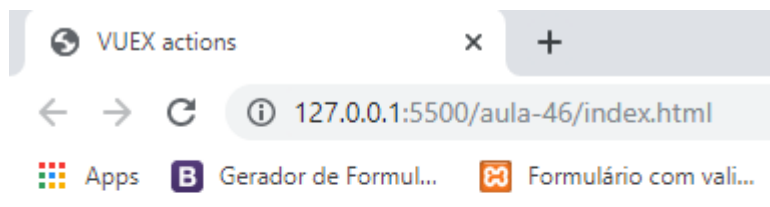
```
// -----  
// VUEX  
  
const store = new Vuex.Store({  
  state: {  
    valor: 0  
  },  
  mutations: {  
    aumentar: function(state) {  
      state.valor++  
    },  
    diminuir: function(state) {  
      state.valor--  
    }  
  },  
  actions: {  
    aumentar: function(context) {  
      setTimeout(function() {  
        context.commit('aumentar');  
      }, 2000);  
    }  
  }  
});  
  
// -----  
  
new Vue({  
  el: "#app",  
  computed: {  
    valor: function() {  
      return store.state.valor;  
    }  
  },  
  methods: {  
    aumentar: function() {  
      store.dispatch('aumentar');  
    },  
    diminuir: function() {  
      store.commit('diminuir');  
    }  
  }  
});
```



Valor: 0



- Clicando no botão "Aumentar", após 2 segundos:



Valor: 1

