Curso Vue.js
Aprendible

Aula 1 - Introdução

Vue.js é um framework de javascript desenhado para construir interfaces web interativas e reativas.

Instalação

Você pode criar um arquivo index.html e incluir Vue com:

```
<!-- development version, includes helpful console warnings -->
<script src="https://cdn.jsdelivr.net/npm/vue/dist/vue.js"></script>
```

or:

```
<!-- production version, optimized for size and speed -->
<script src="https://cdn.jsdelivr.net/npm/vue"></script>
```

Primeiro exemplo

vuejs-aprendible/aula-1/aula-1a.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Aprendendo VueJs</title>
</head>
<body>

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

  <div id="app">
    <h1>Olá {{ message }}</h1>
  </div>

  <script>
   var app = new Vue({
     el: '#app',
     data: {
     message: 'Aprendible'
     }
   })
  </script>

</body>
</html>
```

Alterando o valor da variável de forma reativa

Exibindo o valor da variável em um campo input

vuejs-aprendible/aula-1/aula-1b.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Aprendendo VueJs</title>
</head>
<body>

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

  <div id="app">
    <h1>Olá {{ message }}</h1>
    <input type="text" v-model="message" />
  </div>

  <script>
   var app = new Vue({
     el: '#app',
     data: {
     message: 'Aprendible'
     }
   })
  </script>

</body>
</html>
```
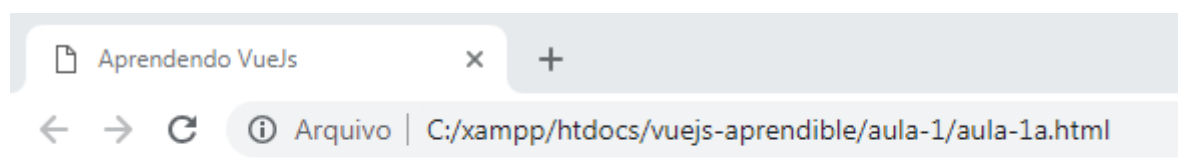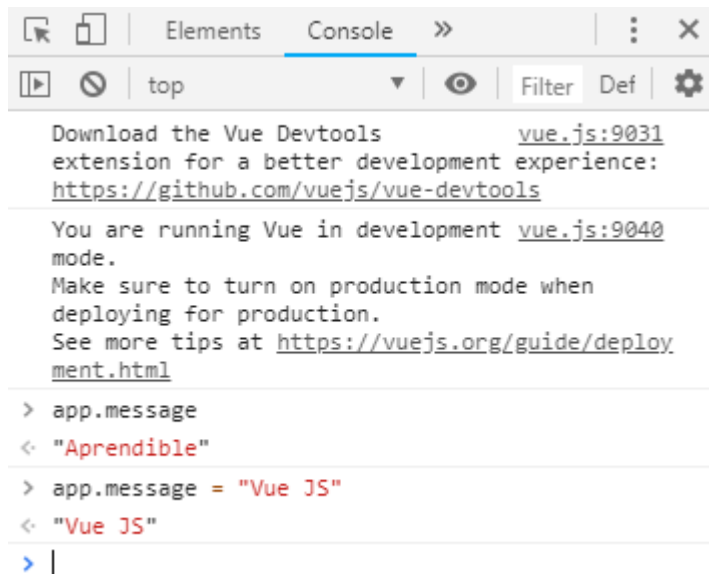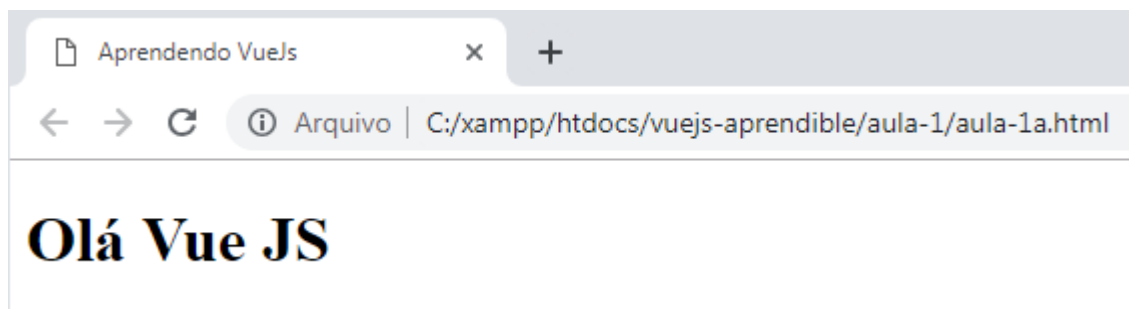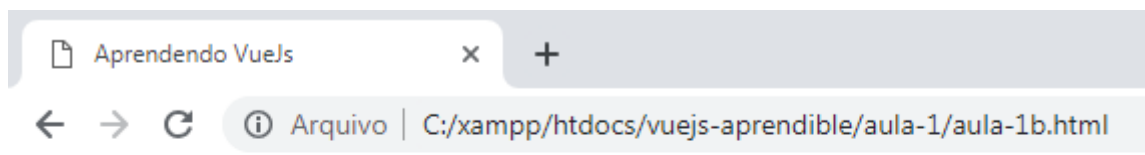
Aula 2 - Condicionais e Loops

vuejs-aprendible/aula-2/aula-2a.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Aprendendo VueJs</title>
</head>
<body>

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

  <div id="app">
    <h1>Olá <span v-text="message"></span></h1>
    <input type="text" v-model="message" />
  </div>

  <script>
    var app = new Vue({
      el: '#app',
      data: {
      message: 'Aprendible'
      }
    })
  </script>

</body>
</html>
```
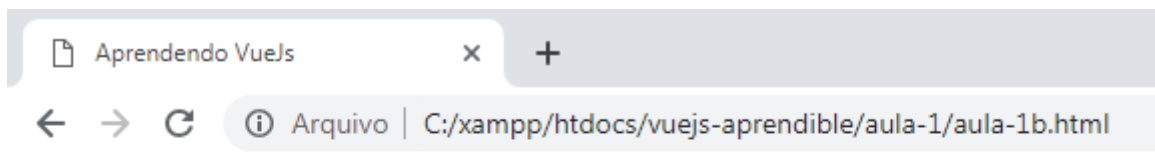
vuejs-aprendible/aula-2/aula-2b.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Aprendendo VueJs</title>
</head>
<body>

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

  <div id="app">
    <h1 v-show="message">Olá <span v-text="message"></span></h1>
    <input type="text" v-model="message" />
  </div>

  <script>
    var app = new Vue({
      el: '#app',
      data: {
      message: 'Aprendible'
      }
    })
  </script>

</body>
</html>
```

Excluindo a última letra:

vuejs-aprendible/aula-2/aula-2c.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Aprendendo VueJs</title>
</head>
<body>

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

  <div id="app">
    <h1 v-show="message.length > 2">Olá <span v-text="message"></span></h1>
    <input type="text" v-model="message" />
  </div>

  <script>
    var app = new Vue({
      el: '#app',
      data: {
      message: 'Aprendible'
      }
    })
  </script>

</body>
</html>
```
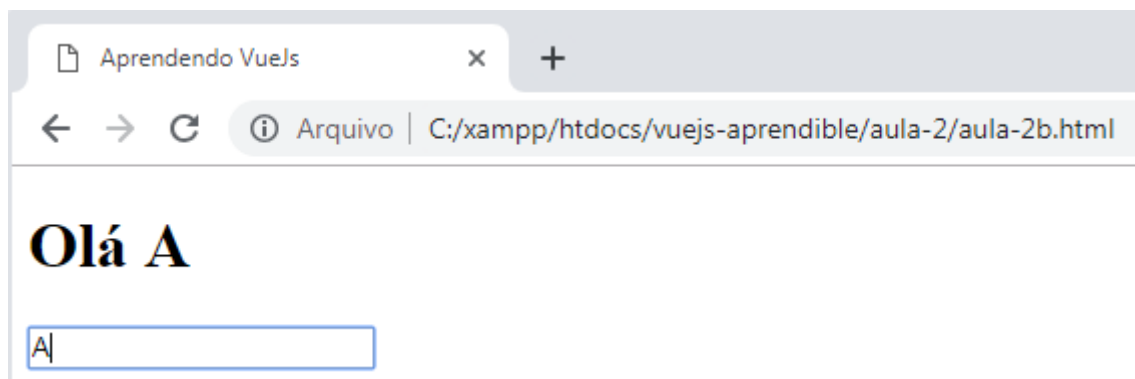
```
<!doctype html>
<html lang="en">
  ▶ <head>…</head>
▼ <body> == $0
    <script src="https://cdn.jsdelivr.net/npm/vue/dist/vue.js">
    </script>
  ▼ <div id="app">
    ▶ <h1 style="display: none;">…</h1>
      <input type="text">
    </div>
  ▶ <script>…</script>
  </body>
</html>
```

Aprendendo VueJs

Arquivo | C:/xampp/htdocs/vuejs-aprendible/aula-2/aula-2c.html

Olá Apr

Apr

vuejs-aprendible/aula-2/aula-2d.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Aprendendo VueJs</title>
</head>
<body>

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

  <div id="app">
    <h1 v-if="message.length > 2">Olá <span v-text="message"></span></h1>
    <h1 v-else>Por favor, escreva seu nome.</h1>
    <input type="text" v-model="message" />
  </div>

  <script>
    var app = new Vue({
      el: '#app',
      data: {
      message: 'Aprendible'
      }
    })
  </script>

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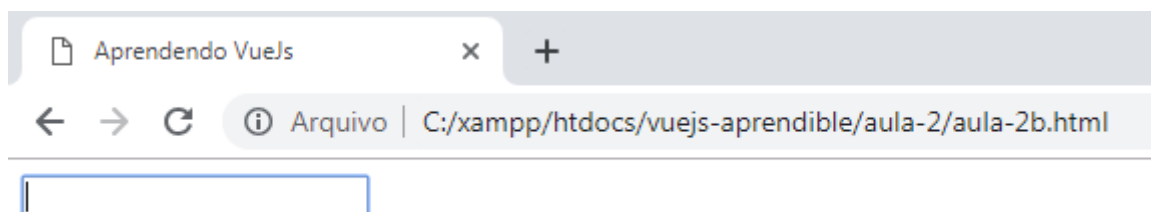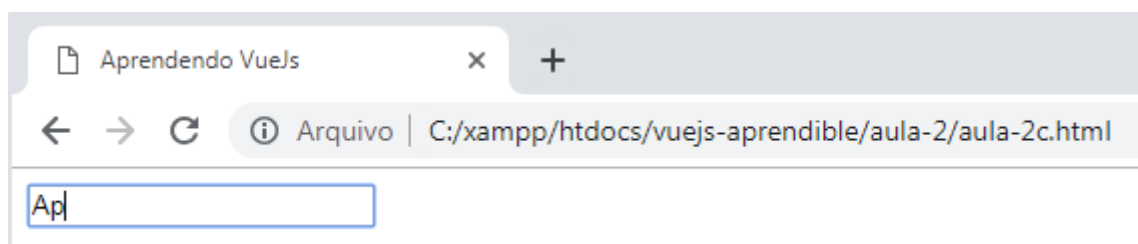
Loops

vuejs-aprendible/aula-2/aula-2e.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Aprendendo VueJs</title>
</head>
<body>

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

  <div id="app">
    <h1>Lista de tarefas</h1>
    <ul>
      <li v-for="tarefa in tarefas">{{ tarefa }}</li>
    </ul>
  </div>

  <script>
    var app = new Vue({
      el: '#app',
      data: {
        tarefas: [
          'Aprender Laravel',
          'Aprender VueJS'
        ]
      }
    })
  </script>

</body>
</html>
```

vuejs-aprendible/aula-2/aula-2f.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Aprendendo VueJs</title>
</head>
<body>

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

  <div id="app">
    <h1>Lista de tarefas</h1>
    <ul>
      <li v-for="tarefa in tarefas" v-text="tarefa"></li>
    </ul>
  </div>

  <script>
    var app = new Vue({
      el: '#app',
      data: {
        tarefas: [
          'Aprender PHP',
          'Aprender Laravel',
          'Aprender VueJS'
        ]
      }
    })
  </script>

</body>
</html>
```
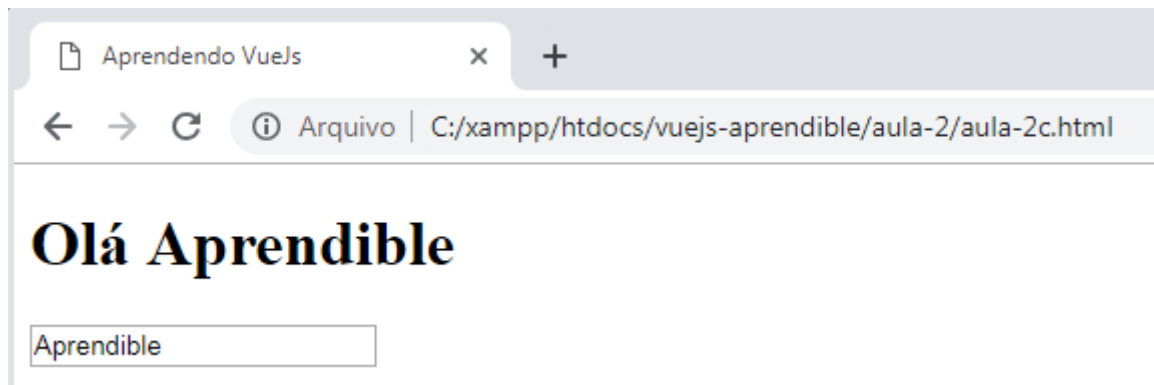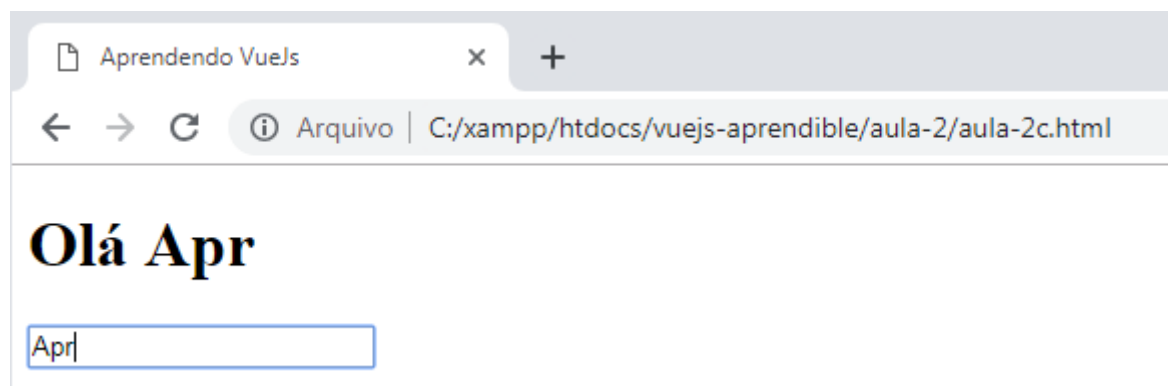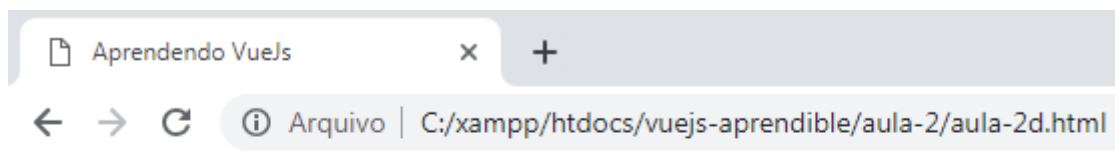
vuejs-aprendible/aula-2/aula-2g.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Aprendendo VueJs</title>
</head>
<body>

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

  <div id="app">
    <h1>Lista de tarefas</h1>
    <ul>
      <li v-for="tarefa in tarefas" v-text="tarefa"></li>
    </ul>
  </div>

  <script>
   var app = new Vue({
     el: '#app',
     data: {
       tarefas: [
         { title: 'Aprender PHP' },
         { title: 'Aprender Laravel' },
         { title: 'Aprender VueJS' }
       ]
     }
   })
  </script>

</body>
</html>
```


Lista de tarefas

- { "title": "Aprender PHP" }
- { "title": "Aprender Laravel" }
- { "title": "Aprender VueJS" }

vuejs-aprendible/aula-2/aula-2h.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Aprendendo VueJs</title>
</head>
<body>

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

  <div id="app">
    <h1>Lista de tarefas</h1>
    <ul>
      <li v-for="tarefa in tarefas" v-text="tarefa.title"></li>
    </ul>
  </div>

  <script>
   var app = new Vue({
     el: '#app',
     data: {
       tarefas: [
         { title: 'Aprender PHP' },
         { title: 'Aprender Laravel' },
         { title: 'Aprender VueJS' }
       ]
     }
   })
  </script>

</body>
</html>
```
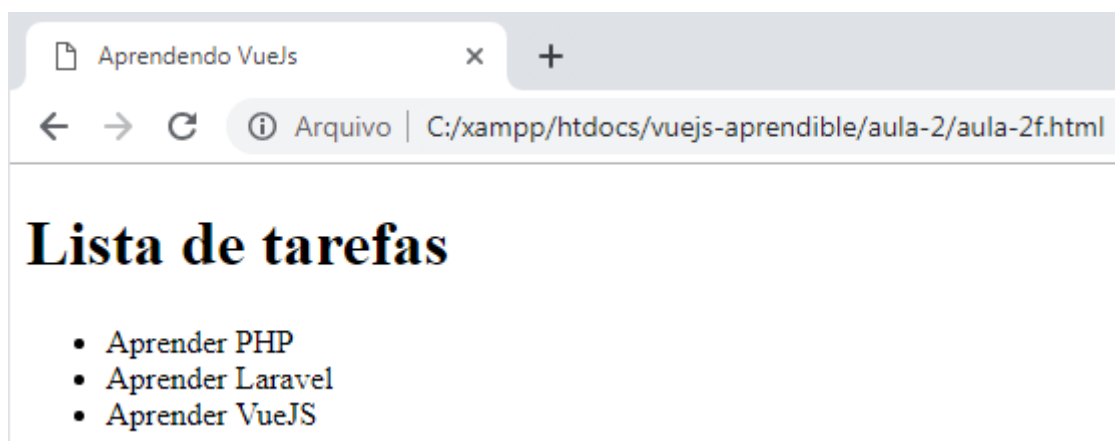

Lista de tarefas

- Aprender PHP
- Aprender Laravel
- Aprender VueJS

vuejs-aprendible/aula-2/aula-2i.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Aprendendo VueJs</title>
</head>
<body>

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

  <div id="app">
    <h1>Lista de tarefas</h1>
    <ul>
      <li v-for="tarefa in tarefas">
        <span v-text="tarefa.title"></span>
        <small v-if="tarefa.completed">Tarefa completa</small>
        <small v-else>Tarefa incompleta</small>
      </li>
    </ul>
  </div>

  <script>
    var app = new Vue({
      el: '#app',
      data: {
        tarefas: [
          { title: 'Aprender PHP', completed: true },
          { title: 'Aprender Laravel', completed: true },
          { title: 'Aprender VueJS', completed: false }
        ]
      }
    })
  </script>

</body>
</html>
```

Lista de tarefas

- Aprender PHP Tarefa incompleta
- Aprender Laravel Tarefa completa
- Aprender VueJS Tarefa incompleta

vuejs-aprendible/aula-2/aula-2j.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Aprendendo VueJs</title>
</head>
<body>

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

  <div id="app">

    <h1 v-if="message.length > 2">Olá <span v-text="message"></span></h1>
    <h1 v-else>Por favor, escreva seu nome.</h1>
    <input type="text" v-model="message" />

    <h1>Lista de tarefas</h1>
    <ul>
      <li v-for="tarefa in tarefas">
        <span v-text="tarefa.title"></span>
        <small v-if="tarefa.completed"> Completa</small>
        <small v-else> Incompleta</small>
      </li>
    </ul>
  </div>

  <script>
    var app = new Vue({
      el: '#app',
      data: {
        message: 'Aprendible',
        tarefas: [
        { title: 'Aprender PHP', completed: true },
        { title: 'Aprender Laravel', completed: true },
        { title: 'Aprender VueJS', completed: false }
      ]
    }
  })
  </script>

</body>
</html>
```
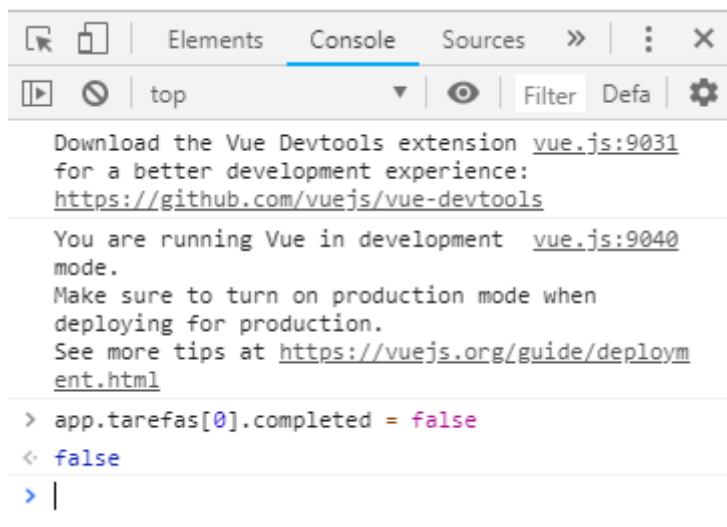
Olá Aprendible

Aprendible

Lista de tarefas

- Aprender PHP Completa
- Aprender Laravel Completa
- Aprender VueJS Incompleta

Acrescentando uma nova tarefa


```
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/deploym
ent.html

> app.tarefas.push({title: 'Terminar essa lição',
  completed: false})
< 4
> |
```


Olá Aprendible

Aprendible

Lista de tarefas

- Aprender PHP Completa
- Aprender Laravel Completa
- Aprender VueJS Incompleta
- Terminar essa lição Incompleta

Aula 3 - Eventos e métodos

vuejs-aprendible/aula-3/aula-3a.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Aprendendo VueJs</title>
</head>
<body>

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

  <div id="app">

    <h1 v-if="message.length > 2">Olá <span v-text="message"></span></h1>
    <h1 v-else>Por favor, escreva seu nome.</h1>
    <input type="text" v-model="message" />
    <button v-on:click="message = message.split('').reverse().join('')">
    Inverter</button>

    <h1>Lista de tarefas</h1>
    <ul>
      <li v-for="tarefa in tarefas">
        <span v-text="tarefa.title"></span>
        <small v-if="tarefa.completed"> Completa</small>
        <small v-else> Incompleta</small>
      </li>
    </ul>
  </div>

  <script>
    var app = new Vue({
      el: '#app',
      data: {
        message: 'Aprendible',
        tarefas: [
          { title: 'Aprender PHP', completed: true },
          { title: 'Aprender Laravel', completed: true },
          { title: 'Aprender VueJS', completed: false }
        ]
      }
    })
  </script>

</body>
</html>
```
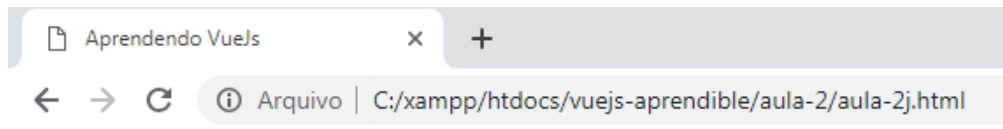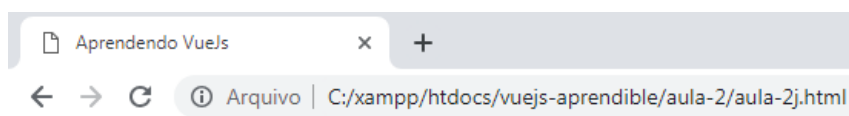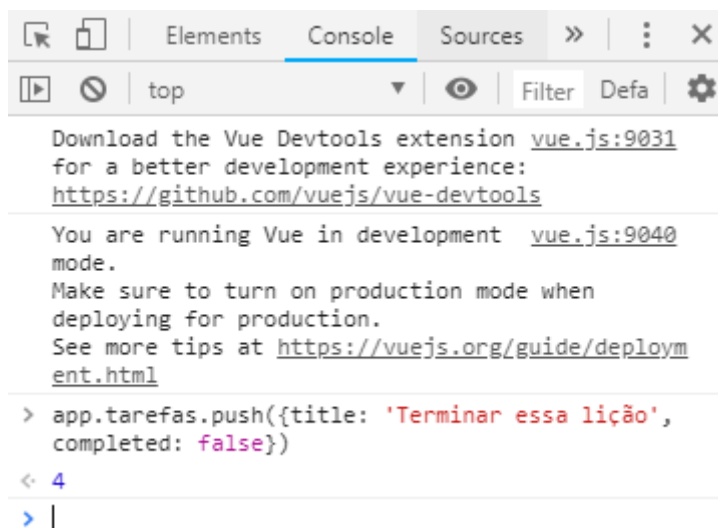
vuejs-aprendible/aula-3/aula-3b.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Aprendendo VueJs</title>
</head>
<body>

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

  <div id="app">

    <h1 v-if="message.length > 2">Olá <span v-text="message"></span></h1>
    <h1 v-else>Por favor, escreva seu nome.</h1>
    <input type="text" v-model="message" />
    <button @click="message = message.split('').reverse().join('')">Inverter</button>

    <h1>Lista de tarefas</h1>
    <ul>
      <li v-for="tarefa in tarefas">
        <span v-text="tarefa.title"></span>
        <small v-if="tarefa.completed"> Completa</small>
        <small v-else> Incompleta</small>
      </li>
    </ul>
  </div>

  <script>
    var app = new Vue({
      el: '#app',
      data: {
        message: 'Aprendible',
        tarefas: [
          { title: 'Aprender PHP', completed: true },
          { title: 'Aprender Laravel', completed: true },
          { title: 'Aprender VueJS', completed: false }
        ]
      }
    })
  </script>

</body>
</html>
```

Olá Roberto

| Roberto | Inverter |

Lista de tarefas

- Aprender PHP Completa
- Aprender Laravel Completa
- Aprender VueJS Incompleta

Olá otreboR

| otreboR | Inverter |

Lista de tarefas

- Aprender PHP Completa
- Aprender Laravel Completa
- Aprender VueJS Incompleta

Criando uma função para reutilizar o código

vuejs-aprendible/aula-3/aula-3c.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>Aprendendo VueJs</title>
</head>
<body>

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

  <div id="app">

    <h1 v-if="message.length > 2">Olá <span v-text="message"></span></h1>
    <h1 v-else>Por favor, escreva seu nome.</h1>
    <input type="text" v-model="message" />
    <button @click="reverse">Inverter</button>

    <h1>Lista de tarefas</h1>
    <ul>
      <li v-for="tarefa in tarefas">
        <span v-text="tarefa.title"></span>
        <small v-if="tarefa.completed"> Completa</small>
        <small v-else> Incompleta</small>
      </li>
    </ul>
  </div>

  <script>
    var app = new Vue({
      el: '#app',
      data: {
        message: '',
        tarefas: [
          { title: 'Aprender PHP', completed: true },
          { title: 'Aprender Laravel', completed: true },
          { title: 'Aprender VueJS', completed: false }
        ],
      },
      methods: {
        reverse: function(){
          this.message = this.message.split('').reverse().join('');
        }
      }
    })
  </script>

</body>
</html>
```

Olá Roberto

Roberto   [Inverter]

Lista de tarefas

- Aprender PHP Completa
- Aprender Laravel Completa
- Aprender VueJS Incompleta

Olá otreboR

otreboR   [Inverter]
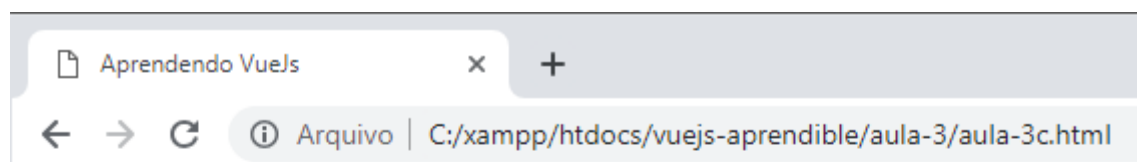
Lista de tarefas

- Aprender PHP Completa
- Aprender Laravel Completa
- Aprender VueJS Incompleta

Adicionando tarefas

vuejs-aprendible/aula-3/aula-3d.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <!-- Bootstrap CSS -->
  <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.0/css/bootstrap.min.css">
  <title>Aprendendo VueJs</title>
</head>
<body>

  <div class="container">
    <script src="https://cdn.jsdelivr.net/npm/vue/dist/vue.js"></script>
    <div id="app">
      <h1>Lista de tarefas</h1>
      <ul>
        <li v-for="task in tasks">
          <span v-text="task.title"></span>
          <small v-if="task.completed"> Completa</small>
          <small v-else> Incompleta</small>
        </li>
        <li class="form-inline">
          <input type="text" class="form-control" v-model="newTask">
          <button @click="addTask" class="btn btn-primary">+</button>
        </li>
      </ul>
    </div>
    <script>
      var app = new Vue({
        el: '#app',
        data: {
          newTask: "",
          tasks: [
            { title: 'Aprender PHP', completed: true },
            { title: 'Aprender Laravel', completed: true },
            { title: 'Aprender VueJS', completed: false }
          ],
        },
        methods: {
          addTask: function(){
            this.tasks.push(
              {title: this.newTask, completed: false}
            );
          }
        }
      });
    </script>
  </div>
</body>
</html>
```
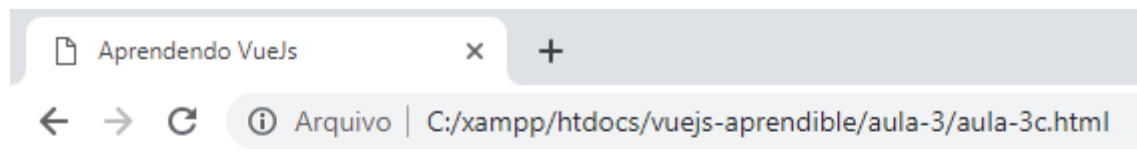
← → C   ⓘ Arquivo | C:/xampp/htdocs/vuejs-aprendible/aula-3/aula-3d.html

Lista de tarefas

- Aprender PHP Completa
- Aprender Laravel Completa
- Aprender VueJS Incompleta

Nova tarefa| +

← → C   ⓘ Arquivo | C:/xampp/htdocs/vuejs-aprendible/aula-3/aula-3d.html
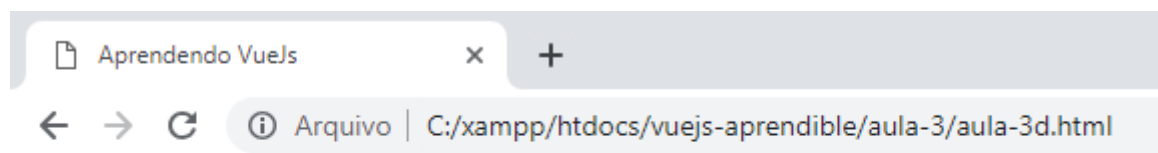
Lista de tarefas

- Aprender PHP Completa
- Aprender Laravel Completa
- Aprender VueJS Incompleta
- Nova tarefa Incompleta
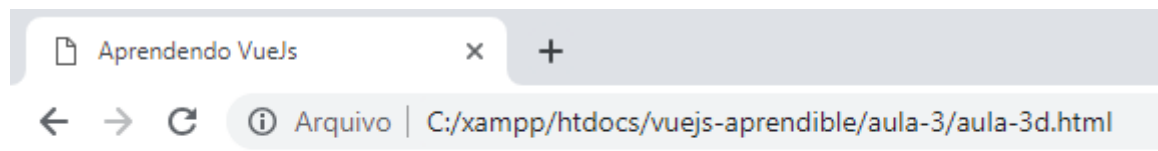
Nova tarefa   +

Lista de tarefas

- Aprender PHP Completa
- Aprender Laravel Completa
- Aprender VueJS Incompleta

Outra tarefa

vuejs-aprendible/aula-3/aula-3e.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
    <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.0/css/bootstrap.min.css">
  <title>Aprendendo VueJs</title>
  <style>
    .glyphicon-check, .glyphicon-unchecked{
      cursor: pointer;
    }
  </style>
</head>
<body>

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

    <div id="app">

      <h1>Lista de tarefas</h1>
      <ul>
        <li v-for="task in tasks">
          <span v-text="task.title"></span>
          <span v-on:click="task.completed = false" v-if="task.completed"
class="glyphicon glyphicon-check"></span>
          <span v-on:click="task.completed = true" v-else class="glyphicon glyphicon-
unchecked"></span>
        </li>
        <li class="form-inline">
          <input v-on:keyup.enter="addTask" type="text" class="form-control" v-
model="newTask">
        </li>
      </ul>

      <pre>
      {{ $data }}
      </pre>
    </div>

    <script>
     var app = new Vue({
       el: '#app',
       data: {
         newTask: "",
         tasks: [
           { title: 'Aprender PHP', completed: true },
           { title: 'Aprender Laravel', completed: true },
           { title: 'Aprender VueJS', completed: false }
         ],
       },
```
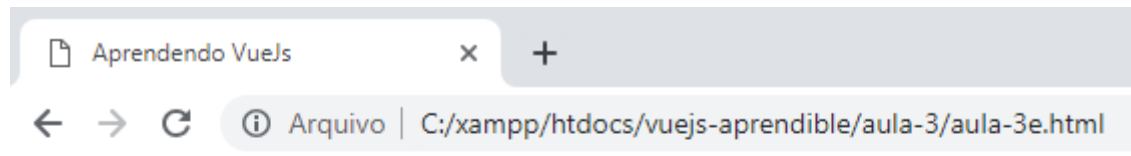
```
        methods: {
            addTask: function(){
                if(this.newTask <= 1) return alert('A tarefa não pode estar vazia!');
                this.tasks.push({
                    title: this.newTask,
                    completed: false
                });
                this.newTask = "";
            }
        }
    });
  </script>

 </div>

</body>
</html>
```


Lista de tarefas

- Aprender PHP ☐
- Aprender Laravel ☑
- Aprender VueJS ☐
- [   ]

```
{
"newTask": "",
"tasks": [
    {
        "title": "Aprender PHP",
        "completed": false
    },
    {
        "title": "Aprender Laravel",
        "completed": true
    },
    {
        "title": "Aprender VueJS",
        "completed": false
    }
  ]
}
```

Aula 4 - Ferramentas de desenvolvimento

vuejs-aprendible/aula-4/aula-4a.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
    <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.0/css/bootstrap.min.css">
  <title>Aprendendo VueJs</title>
  <style>
    .glyphicon-check, .glyphicon-unchecked{
      cursor: pointer;
    }
  </style>
</head>
<body>

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

    <div id="app">

      <h1>Lista de tarefas</h1>
      <ul>
        <li v-for="task in tasks">
          <span v-text="task.title"></span>
          <span v-on:click="task.completed = false" v-if="task.completed"
class="glyphicon glyphicon-check"></span>
          <span v-on:click="task.completed = true" v-else class="glyphicon glyphicon-
unchecked"></span>
        </li>
        <li class="form-inline">
          <input v-on:keyup.enter="addTask" type="text" class="form-control" v-
model="newTask">
        </li>
      </ul>

    </div>

    <script>
      var app = new Vue({
        el: '#app',
        data: {
          newTask: "",
          tasks: [
            { title: 'Aprender PHP', completed: true },
            { title: 'Aprender Laravel', completed: true },
            { title: 'Aprender VueJS', completed: false }
          ],
        },
```
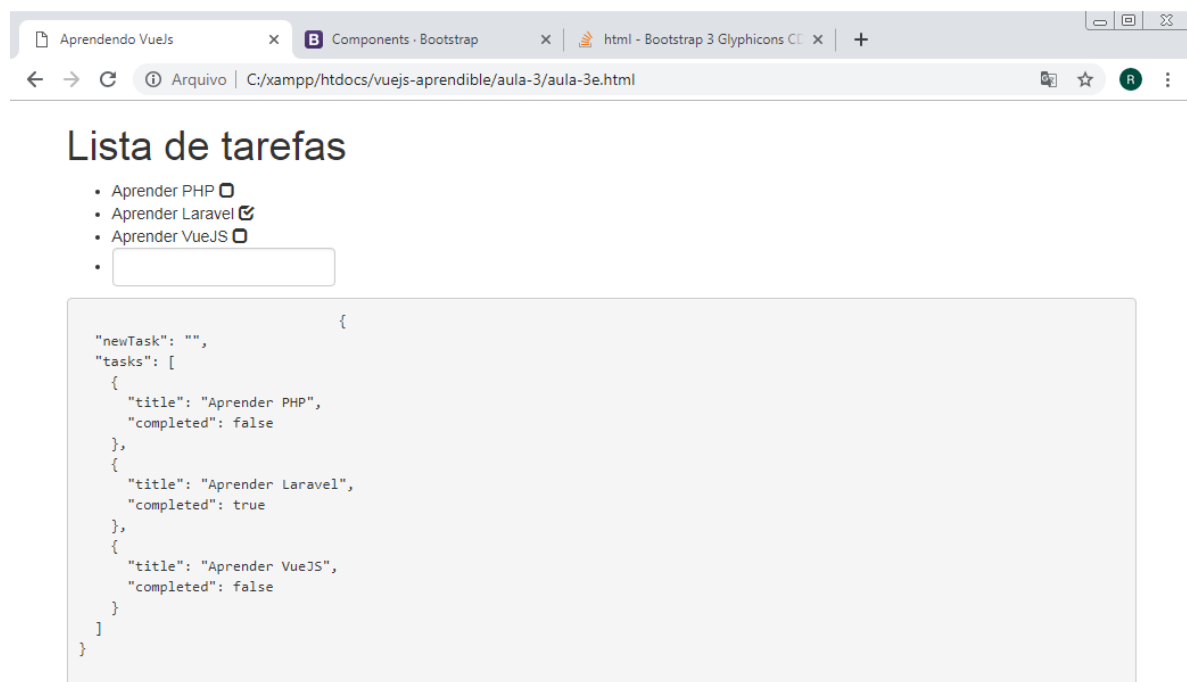
```
    methods: {
        addTask: function(){
          if(this.newTask <= 1) return alert('A tarefa não pode estar vazia!');
          this.tasks.push({
              title: this.newTask,
              completed: false
          });
          this.newTask = "";
        }
      }
    });
  </script>
 </div>
</body>
</html>
```

Extensão Vue.js devtools

https://github.com/vuejs/vue-devtools

Instale no Google Chrome a extensão a seguir:

https://chrome.google.com/webstore/detail/vuejs-devtools/nhdogjmejiglipccpnnnanhbledajbpd

Ativando a extensão no Google Chrome

No Google Chrome, entre no menu "Mais ferramentas -> Extensões"
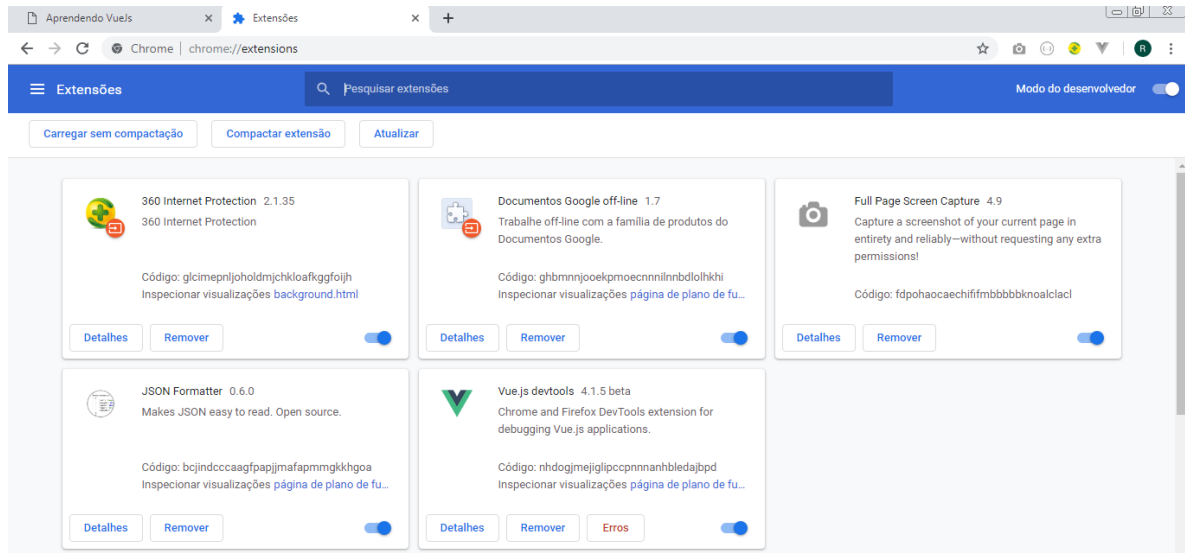
Na extensão Vue.js devtools clique no botão "Detalhes", e ative a opção: "Permitir acesso aos URLs do arquivo", conforme indicado a seguir:

Agora o ícone do Vue.js será exibido ativado, no canto superior direito.

Ao clicar em <F12> será exibida uma nova aba chamada Vue. Clique nela e em seguida em <Root>:
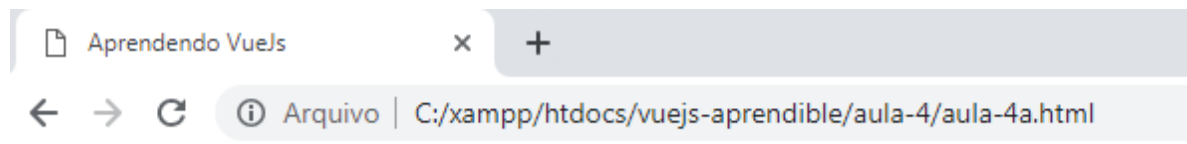
Lista de tarefas

- Aprender PHP ☑
- Aprender Laravel ☑
- Aprender VueJS ☐
- [   ]

▶◻ | Elements   Console   Sources   Vue   »   ⋮   ✕

V   👤   🕘   ❊   C
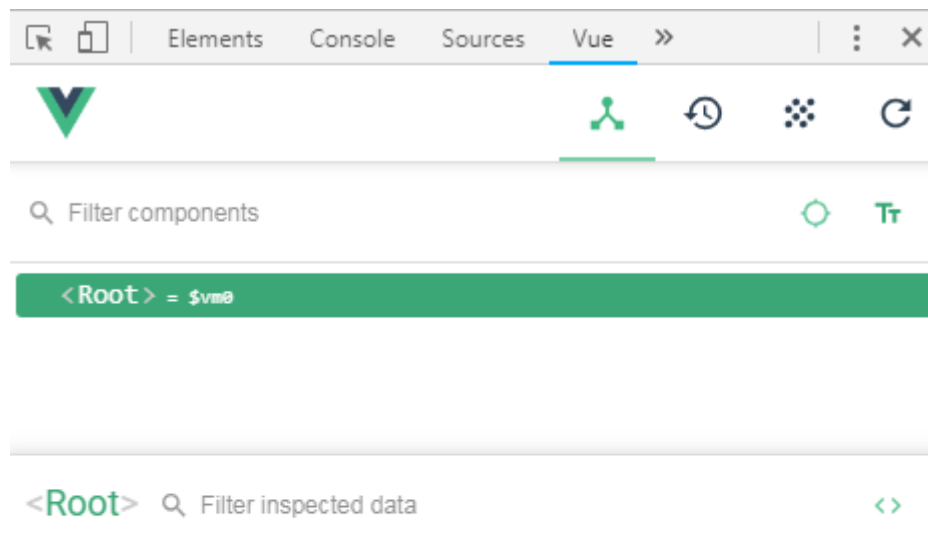
🔍 Filter components   ◇   T⊤

`<Root>` = $vm0

`<Root>`   🔍 Filter inspected data   ‹›

▼ data

     newTask: ""

   ▼ tasks: Array[3]

     ▶ 0: Object

     ▶ 1: Object

     ▶ 2: Object

Aula 5 - Propriedades calculadas

vuejs-aprendible/aula-5/aula-5a.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
    <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.0/css/bootstrap.min.css">
  <title>Aprendendo VueJs</title>
  <style>
    .glyphicon-check, .glyphicon-unchecked{
      cursor: pointer;
    }
  </style>
</head>
<body>

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

    <div id="app">

      <h1>Lista de tarefas</h1>
      <p>{{ reversedTask }}</p>

      <ul>
        <li v-for="task in tasks">
          <span v-text="task.title"></span>
          <span v-on:click="task.completed = false" v-if="task.completed"
class="glyphicon glyphicon-check"></span>
          <span v-on:click="task.completed = true" v-else class="glyphicon glyphicon-
unchecked"></span>
        </li>
        <li class="form-inline">
          <input v-on:keyup.enter="addTask" type="text" class="form-control" v-
model="newTask">
        </li>
      </ul>

    </div>

    <script>
     var app = new Vue({
       el: '#app',
       data: {
        newTask: "",
        tasks: [
          { title: 'Aprender PHP', completed: true },
          { title: 'Aprender Laravel', completed: true },
          { title: 'Aprender VueJS', completed: false }
        ],
       },
```

```
          methods: {
              addTask: function(){
                if(this.newTask <= 1) return alert('A tarefa não pode estar vazia!');
                this.tasks.push({
                    title: this.newTask,
                    completed: false
                });
                this.newTask = "";
              }
          },
          computed: {
            reversedTask: function(){
              return this.newTask.split('').reverse().join('');
            }
          }
      });
    </script>

  </div>

</body>
</html>
```
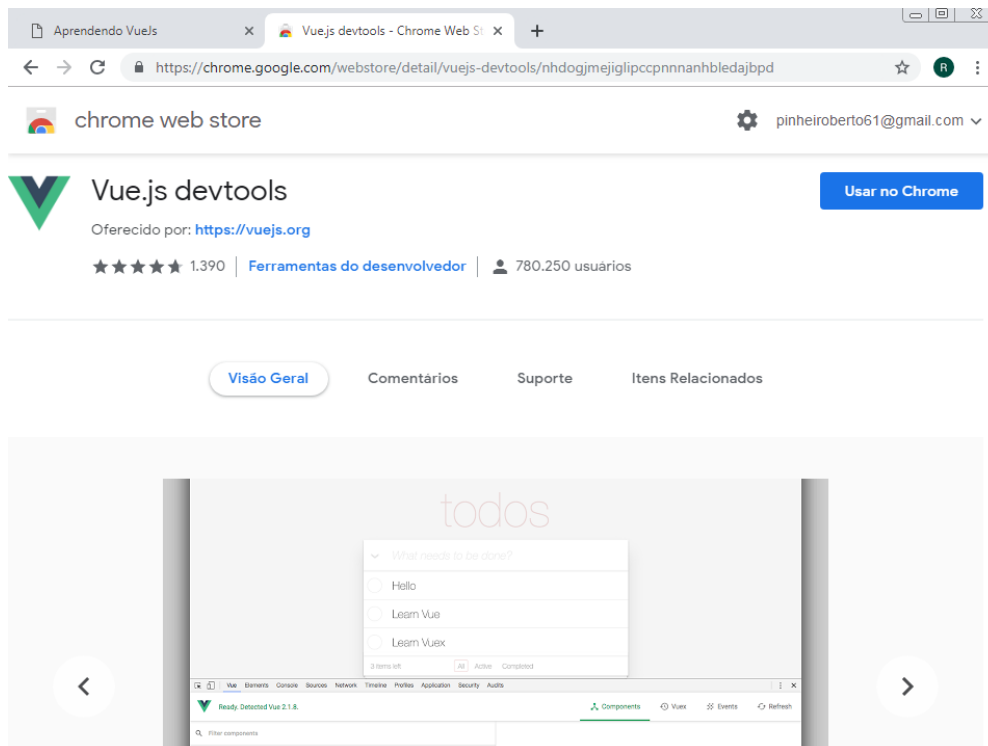

Lista de tarefas

avaJ rednerpA

- Aprender PHP ☑
- Aprender Laravel ☑
- Aprender VueJS ☐
- [Aprender Java|]

vuejs-aprendible/aula-5/aula-5b.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
    <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.0/css/bootstrap.min.css">
  <title>Aprendendo VueJs</title>
  <style>
    .glyphicon-check, .glyphicon-unchecked{
      cursor: pointer;
    }
  </style>
</head>
<body>

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

    <div id="app">

      <h1>Lista de tarefas</h1>
      <p>{{ reversedTask }}</p>

      <h4>Tarefas completas: {{ completedTasks() }}</h4>
      <h4>Tarefas incompletas: {{ incompletedTasks() }}</h4>

      <ul>
        <li v-for="task in tasks">
          <span v-text="task.title"></span>
          <span v-on:click="task.completed = false" v-if="task.completed"
class="glyphicon glyphicon-check"></span>
          <span v-on:click="task.completed = true" v-else class="glyphicon glyphicon-
unchecked"></span>
        </li>
        <li class="form-inline">
          <input v-on:keyup.enter="addTask" type="text" class="form-control" v-
model="newTask">
        </li>
      </ul>

    </div>

    <script>
      var app = new Vue({
        el: '#app',
        data: {
          newTask: "",
          tasks: [
            { title: 'Aprender PHP', completed: true },
            { title: 'Aprender Laravel', completed: true },
            { title: 'Aprender VueJS', completed: false }
          ],
        },
```

```
        methods: {
            addTask: function(){
                if(this.newTask <= 1) return alert('A tarefa não pode estar vazia!');
                this.tasks.push({
                    title: this.newTask,
                    completed: false
                });
                this.newTask = "";
            },
            completedTasks: function(){
                return this.tasks.filter(function(task){
                    return task.completed;
                }).length;
            },
            incompletedTasks: function(){
                return this.tasks.filter(function(task){
                    return !task.completed;
                }).length;
            }

        },
        computed: {
            reversedTask: function(){
                return this.newTask.split('').reverse().join('');
            }
        }
    });
    </script>

  </div>

</body>
</html>
```
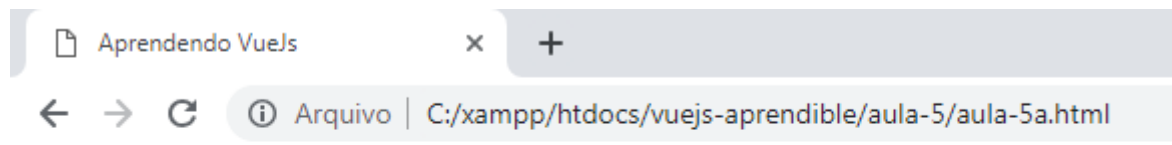
Ao se digitar cada letra da nova tarefa, os triggers são disparados:

vuejs-aprendible/aula-5/aula-5c.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
    <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.0/css/bootstrap.min.css">
  <title>Aprendendo VueJs</title>
  <style>
    .glyphicon-check, .glyphicon-unchecked{
      cursor: pointer;
    }
  </style>
</head>
<body>

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

    <div id="app">

      <h1>Lista de tarefas</h1>

      <p>{{ reversedTask }}</p>

      <h4 v-if="completedTasks">Tarefas completas: {{ completedTasks }}</h4>
      <h4 v-if="incompletedTasks">Tarefas incompletas: {{ incompletedTasks }}</h4>

      <ul>
        <li v-for="task in tasks">
          <span v-text="task.title"></span>
          <span v-on:click="task.completed = false" v-if="task.completed"
class="glyphicon glyphicon-check"></span>
          <span v-on:click="task.completed = true" v-else class="glyphicon glyphicon-
unchecked"></span>
        </li>
        <li class="form-inline">
          <input v-on:keyup.enter="addTask" type="text" class="form-control" v-
model="newTask">
        </li>
      </ul>

    </div>

    <script>
     var app = new Vue({
       el: '#app',
       data: {
         newTask: "",
         tasks: [
           { title: 'Aprender PHP', completed: true },
           { title: 'Aprender Laravel', completed: true },
           { title: 'Aprender VueJS', completed: false }
         ],
       },
```

```
        methods: {
            addTask: function(){
              if(this.newTask <= 1) return alert('A tarefa não pode estar vazia!');
              this.tasks.push({
                  title: this.newTask,
                  completed: false
              });
              this.newTask = "";
            }
        },
        computed: {
          reversedTask: function(){
            return this.newTask.split('').reverse().join('');
          },
          completedTasks: function(){
            console.log('trigger completedTask');
            return this.tasks.filter(function(task){
              return task.completed;
            }).length;
          },
          incompletedTasks: function(){
            console.log('trigger incompletedTask');
            return this.tasks.filter(function(task){
              return !task.completed;
            }).length;
          }
        }
    });
  </script>

  </div>

</body>
</html>
```
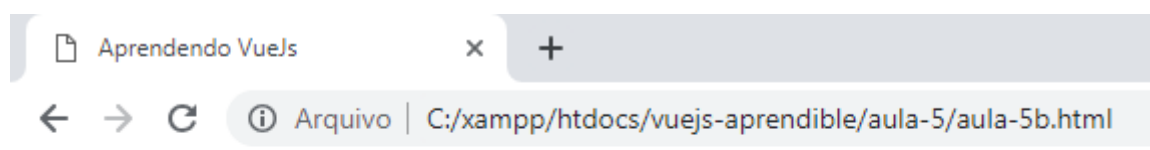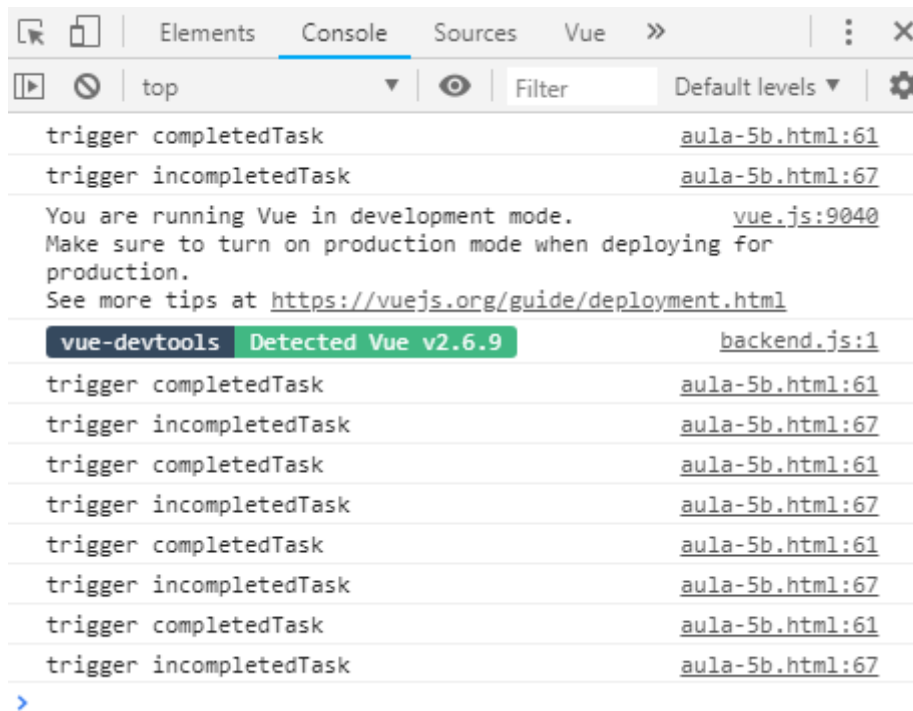

Lista de tarefas

dcba

Tarefas completas: 2

Tarefas incompletas: 1

- Aprender PHP ☑
- Aprender Laravel ☑
- Aprender VueJS ☐
- abcd

Ao se digitar cada letra da nova tarefa, os triggers não são disparados:
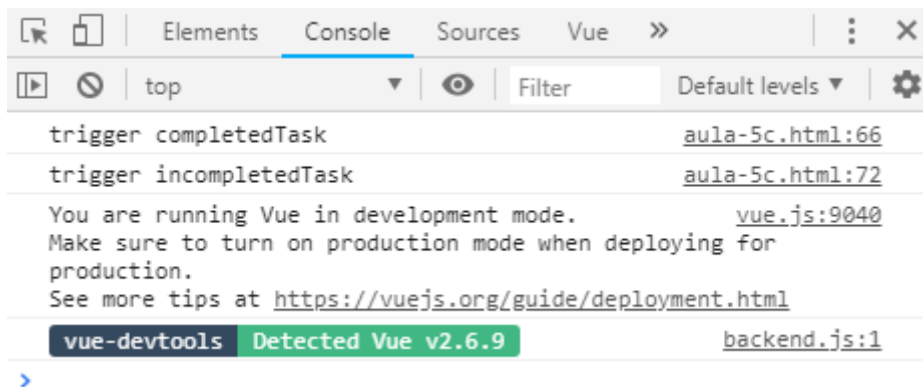
Os triggers só serão disparados, ao clicarmos nas tarefas para marcá-las ou desmarcá-las:

C:/xampp/htdocs/vuejs-aprendible/aula-5/aula-5c.html
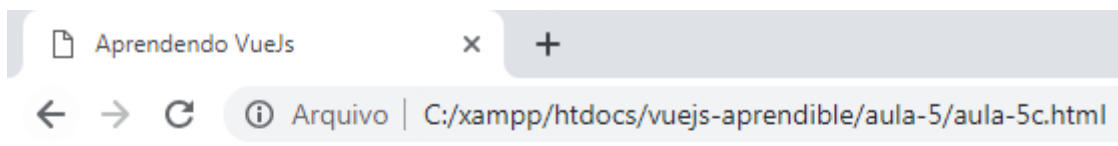
Lista de tarefas

Tarefas incompletas: 3

- Aprender PHP ☐
- Aprender Laravel ☐
- Aprender VueJS ☐
- [   ]

| Elements | Console | Sources | Vue | » | ⋮ × |

▷ ⊘ | top ▼ | 👁 | Filter | Default levels ▼ | ⚙

```
trigger completedTask                                    aula-5c.html:66
trigger incompletedTask                                  aula-5c.html:72
You are running Vue in development mode.                      vue.js:9040
Make sure to turn on production mode when deploying for
production.
See more tips at https://vuejs.org/guide/deployment.html
vue-devtools  Detected Vue v2.6.9                            backend.js:1
trigger completedTask                                    aula-5c.html:66
trigger incompletedTask                                  aula-5c.html:72
trigger completedTask                                    aula-5c.html:66
trigger incompletedTask                                  aula-5c.html:72
trigger completedTask                                    aula-5c.html:66
trigger incompletedTask                                  aula-5c.html:72
trigger completedTask                                    aula-5c.html:66
trigger incompletedTask                                  aula-5c.html:72
>
```

Aula 6 - Classes CSS dinâmicas

vuejs-aprendible/aula-6/aula-6a.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
    <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.0/css/bootstrap.min.css">
  <title>Aprendendo VueJs</title>
  <style>
    .glyphicon-check, .glyphicon-unchecked{
      cursor: pointer;
    }
  </style>
</head>
<body>

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

    <div id="app">

      <h1>Lista de tarefas</h1>

      <p>{{ reversedTask }}</p>

      <h4 v-if="completedTasks">Tarefas completas: {{ completedTasks }}</h4>
      <h4 v-if="incompletedTasks">Tarefas incompletas: {{ incompletedTasks }}</h4>

      <ul>
        <li v-for="task in tasks">
          <span v-text="task.title"></span>
          <span @click="task.completed = ! task.completed"
          v-bind:class="{
          'glyphicon':true,
          'glyphicon-check':task.completed,
          'glyphicon-unchecked':! task.completed}">
          </span>
        </li>
        <li class="form-inline">
          <input v-on:keyup.enter="addTask" type="text" class="form-control" v-model="newTask">
        </li>
      </ul>

    </div>
```

```html
    <script>
      var app = new Vue({
        el: '#app',
        data: {
          newTask: "",
          tasks: [
            { title: 'Aprender PHP', completed: true },
            { title: 'Aprender Laravel', completed: true },
            { title: 'Aprender VueJS', completed: false }
          ],
        },
        methods: {
          addTask: function(){
            if(this.newTask <= 1) return alert('A tarefa não pode estar vazia!');
            this.tasks.push({
                title: this.newTask,
                completed: false
            });
            this.newTask = "";
          }
        },
        computed: {
          reversedTask: function(){
            return this.newTask.split('').reverse().join('');
          },
          completedTasks: function(){
            console.log('trigger completedTask');
            return this.tasks.filter(function(task){
              return task.completed;
            }).length;
          },
          incompletedTasks: function(){
            console.log('trigger incompletedTask');
            return this.tasks.filter(function(task){
              return !task.completed;
            }).length;
          }
        }
      });
    </script>

  </div>

</body>
</html>
```

Lista de tarefas

Tarefas completas: 2

Tarefas incompletas: 1

- Aprender PHP ☑
- Aprender Laravel ☑
- Aprender VueJS ☐
- [   ]

vuejs-aprendible/aula-6/aula-6b.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
    <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.0/css/bootstrap.min.css">
  <title>Aprendendo VueJs</title>
  <style>
    .glyphicon-check, .glyphicon-unchecked{
      cursor: pointer;
    }
  </style>
</head>
<body>

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

    <div id="app">

      <h1>Lista de tarefas</h1>

      <p>{{ reversedTask }}</p>

      <h4 v-if="completedTasks">Tarefas completas: {{ completedTasks }}</h4>
      <h4 v-if="incompletedTasks">Tarefas incompletas: {{ incompletedTasks }}</h4>

      <ul>
        <li v-for="task in tasks">
          <span v-text="task.title"></span>
          <span @click="task.completed = ! task.completed"
          :class="[
            'glyphicon',
            task.completed ? 'glyphicon-check' : 'glyphicon-unchecked'
          ]">
          </span>
        </li>
        <li class="form-inline">
          <input v-on:keyup.enter="addTask" type="text" class="form-control" v-model="newTask">
        </li>
      </ul>

    </div>

    <script>
      var app = new Vue({
        el: '#app',
        data: {
          newTask: "",
          tasks: [
            { title: 'Aprender PHP', completed: true },
            { title: 'Aprender Laravel', completed: true },
            { title: 'Aprender VueJS', completed: false }
          ],
```

```
        },
        methods: {
          addTask: function(){
            if(this.newTask <= 1) return alert('A tarefa não pode estar vazia!');
            this.tasks.push({
                title: this.newTask,
                completed: false
            });
            this.newTask = "";
          }
        },
        computed: {
          reversedTask: function(){
            return this.newTask.split('').reverse().join('');
          },
          completedTasks: function(){
            console.log('trigger completedTask');
            return this.tasks.filter(function(task){
              return task.completed;
            }).length;
          },
          incompletedTasks: function(){
            console.log('trigger incompletedTask');
            return this.tasks.filter(function(task){
              return !task.completed;
            }).length;
          }
        }
      });
    </script>

  </div>

</body>
</html>
```
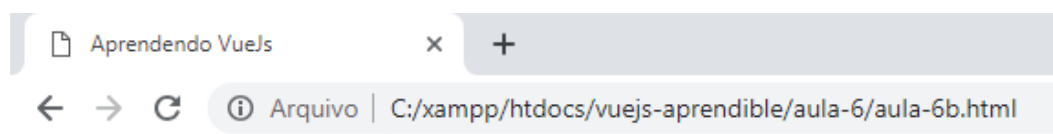

Lista de tarefas

Tarefas completas: 2

Tarefas incompletas: 1

- Aprender PHP ☑
- Aprender Laravel ☑
- Aprender VueJS ☐
- [   ]

vuejs-aprendible/aula-6/aula-6c.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
    <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.0/css/bootstrap.min.css">
  <title>Aprendendo VueJs</title>
  <style>
    .glyphicon-check, .glyphicon-unchecked{
      cursor: pointer;
    }
  </style>
</head>
<body>

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

    <div id="app">

      <h1>Lista de tarefas</h1>

      <p>{{ reversedTask }}</p>

      <h4 v-if="completedTasks">Tarefas completas: {{ completedTasks }}</h4>
      <h4 v-if="incompletedTasks">Tarefas incompletas: {{ incompletedTasks }}</h4>

      <ul>
        <li v-for="task in tasks">
          <span v-text="task.title"></span>
          <span @click="task.completed = ! task.completed"
          :class="taskClasses(task)">
          </span>
        </li>
        <li class="form-inline">
          <input v-on:keyup.enter="addTask" type="text" class="form-control" v-model="newTask">
        </li>
      </ul>

    </div>

    <script>
      var app = new Vue({
        el: '#app',
        data: {
          newTask: "",
          tasks: [
            { title: 'Aprender PHP', completed: true },
            { title: 'Aprender Laravel', completed: true },
            { title: 'Aprender VueJS', completed: false }
          ],
        },
```

```
methods: {
    addTask: function(){
        if(this.newTask <= 1) return alert('A tarefa não pode estar vazia!');
        this.tasks.push({
            title: this.newTask,
            completed: false
        });
        this.newTask = "";
    },
    taskClasses: function(task){
        return ['glyphicon', task.completed ? 'glyphicon-check' : 'glyphicon-
unchecked'];
    }
},
computed: {
    reversedTask: function(){
        return this.newTask.split('').reverse().join('');
    },
    completedTasks: function(){
        console.log('trigger completedTask');
        return this.tasks.filter(function(task){
            return task.completed;
        }).length;
    },
    incompletedTasks: function(){
        console.log('trigger incompletedTask');
        return this.tasks.filter(function(task){
            return !task.completed;
        }).length;
    }
}
});
</script>

</div>

</body>
</html>
```

vuejs-aprendible/aula-6/aula-6d.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
    <link rel="stylesheet"
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.4.0/css/bootstrap.min.css">
  <title>Aprendendo VueJs</title>
  <style>
    .glyphicon-check, .glyphicon-unchecked{
      cursor: pointer;
    }
  </style>
</head>
<body>

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

    <div id="app">

      <h1>Lista de tarefas</h1>

      <p>{{ reversedTask }}</p>

      <h4 v-if="completedTasks">Tarefas completas: {{ completedTasks }}</h4>
      <h4 v-if="incompletedTasks">Tarefas incompletas: {{ incompletedTasks }}</h4>

      <ul>
        <li v-for="task in tasks">
          <span v-text="task.title"></span>
          <span @click="completedTask(task)"
          :class="taskClasses(task)">
          </span>
        </li>
        <li class="form-inline">
          <input v-on:keyup.enter="addTask" type="text" class="form-control" v-
model="newTask">
        </li>
      </ul>

    </div>

    <script>
      var app = new Vue({
        el: '#app',
        data: {
          newTask: "",
          tasks: [
            { title: 'Aprender PHP', completed: true },
            { title: 'Aprender Laravel', completed: true },
            { title: 'Aprender VueJS', completed: false }
          ],
        },
```
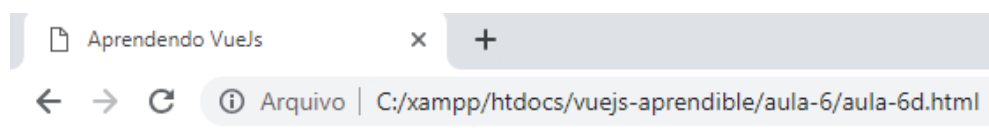
```
      methods: {
          addTask: function(){
            if(this.newTask <= 1) return alert('A tarefa não pode estar vazia!');
            this.tasks.push({
                title: this.newTask,
                completed: false
            });
            this.newTask = "";
          },
          taskClasses: function(task){
            return ['glyphicon', task.completed ? 'glyphicon-check' : 'glyphicon-
unchecked'];
          },
          completedTask: function(task){
            task.completed = ! task.completed;
          }
        },
        computed: {
          reversedTask: function(){
            return this.newTask.split('').reverse().join('');
          },
          completedTasks: function(){
            return this.tasks.filter(function(task){
              return task.completed;
            }).length;
          },
          incompletedTasks: function(){
            return this.tasks.filter(function(task){
              return !task.completed;
            }).length;
          }
        }
      });
    </script>
  </div>
</body>
</html>
```


Lista de tarefas

Tarefas completas: 2

Tarefas incompletas: 1

- Aprender PHP ☑
- Aprender Laravel ☑
- Aprender VueJS ☐
- [   ]