# Banco de Dados : VueJS + MySQL

Prof. Márcio Funes

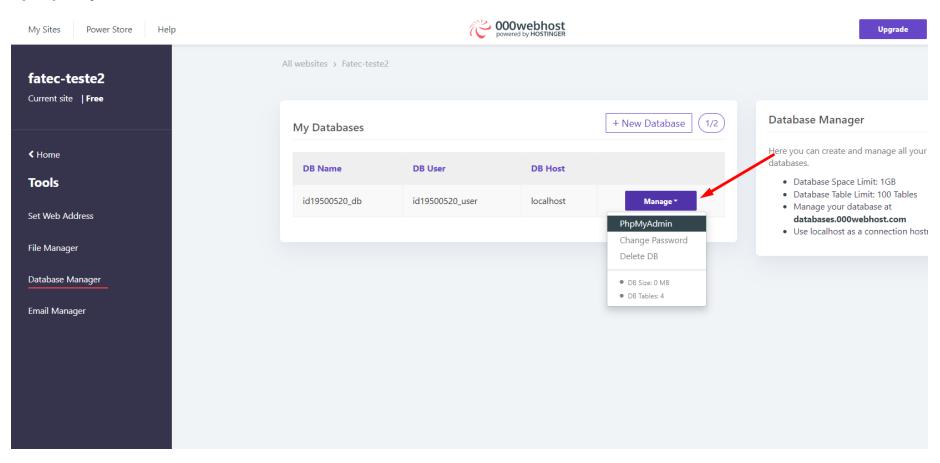


#### Plano de aula

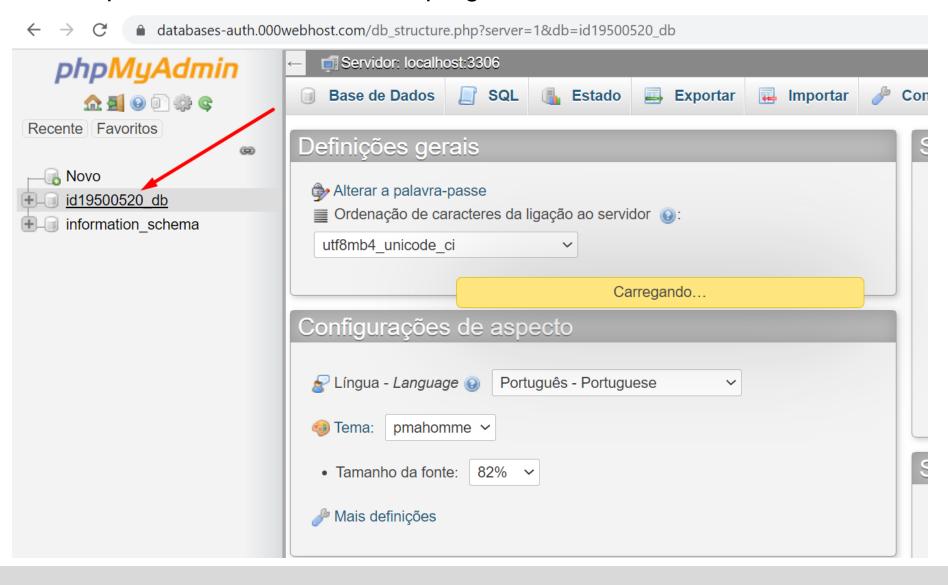
Exemplo prático CRUD em VueJS



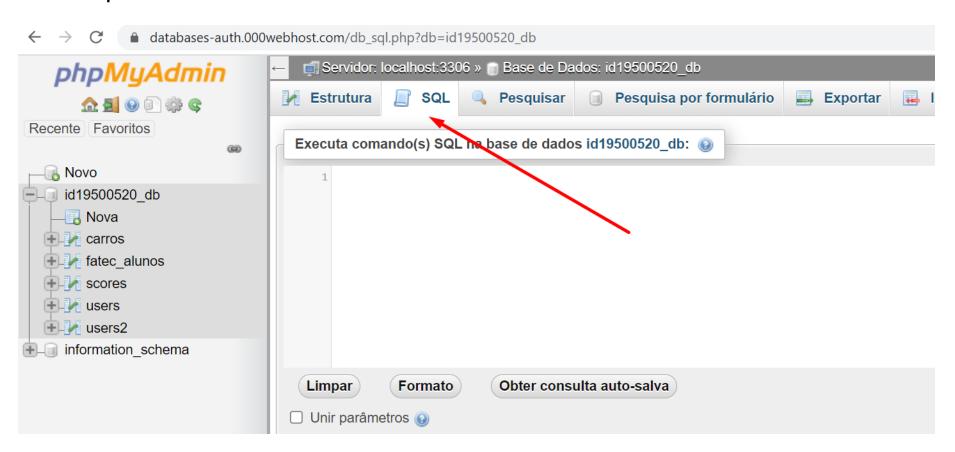
Acesse o 000webhost e entre no banco de dados MySQL pelo phpMyAdmin



Clique na sua tabela antes de programar em SQL



Clique em SQL



Crie a seguinte tabela

```
1 CREATE TABLE `fatec_alunos` (
2     id` int(11) NOT NULL,
3     `first_name` varchar(250) NOT NULL,
4     `last_name` varchar(250) NOT NULL
5 ) ENGINE=MyISAM DEFAULT CHARSET=latin1;
```

Continuação do mesmo código

```
INSERT INTO `fatec_alunos` (`id`, `first_name`, `last_name`) VALUES
(1, 'John', 'Smith'),
(2, 'Peter', 'Parker'),
(4, 'Donna', 'Huber');

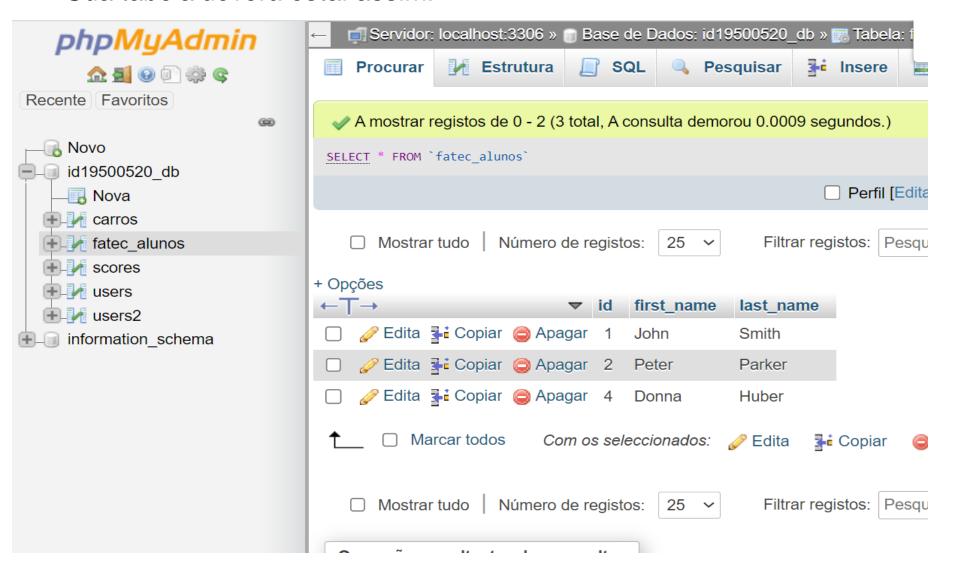
ALTER TABLE `fatec_alunos`
ADD PRIMARY KEY (`id`);

ALTER TABLE `fatec_alunos`
MODIFY `id` int(11) NOT NULL AUTO_INCREMENT;
```

Depois clique em Executar

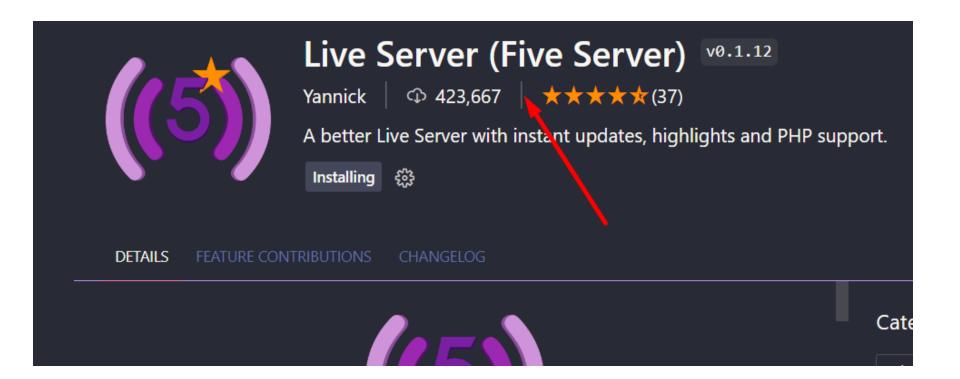


Sua tabela deverá estar assim:

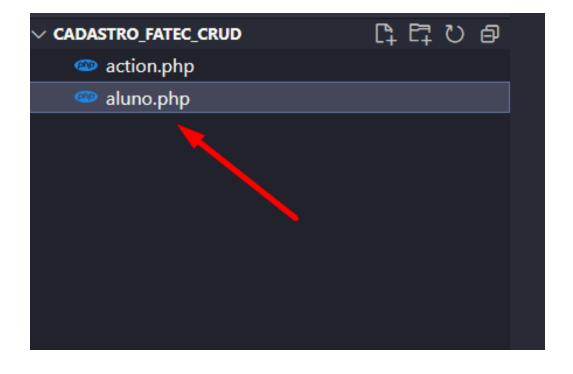




- Crie uma pasta
- Abra o VSCODE nesta pasta
- Instale a extensão



Crie um novo arquivo chamado index.php



```
<script src="https://unpkg.com/axios/dist/axios.min.js"></script>
10
          <style>
11
            .modal-mask {
              position: fixed;
12
13
              z-index: 9998;
14
              top: 0;
15
              left: 0;
16
              width: 100%;
17
              height: 100%;
              background-color: \square rgba(0, 0, 0, .5);
18
19
              display: table;
              transition: opacity .3s ease;
20
21
22
            .modal-wrapper {
23
24
              display: table-cell;
25
              vertical-align: middle;
26
27
           </style>
        </head>
28
```

```
<body>
      <div class="container" id="crudApp">
       <br />
       <h3 align="center">
         <img src="https://site.fatecfranca.edu.br/images/logo-fatec-franca-15-anos.png" width=50% height=50%</pre>
           alt="logo fatec"><br /><br />
         <strong>Cadastro de Alunos
       </h3>
       <br />
       <div class="panel panel-default">
         <div class="panel-heading">
           <div class="row">
            <div class="col-md-6">
              <h3 class="panel-title">Alunos</h3>
            </div>
            <div class="col-md-6" align="right">
              <input type="button" class="btn btn-success btn-xs" @click="openModel" value="Add" />
47
            </div>
           </div>
         </div>
         <div class="panel-body">
           <div class="table-responsive">
             >
                Nome
                Sobrenome
                Editar
                Deletar
```

```
{{ row.first name }}
         {{ row.last name }}
         <button type="button" name="edit" class="btn btn-primary btn-xs edit" @click="fetchData(row.id)">
            Editar
           </button>
         <button type="button" name="delete" class="btn btn-danger btn-xs delete" @click="deleteData(row.id)">
            Deletar
           </button>
         </div>
 </div>
</div>
<div v-if="myModel">
 <transition name="model">
   <div class="modal-mask">
     <div class="modal-wrapper">
       <div class="modal-dialog">
         <div class="modal-content">
           <div class="modal-header">
             <button type="button" class="close" @click="myModel=false">
              <span aria-hidden="true">&times;</span>
            </button>
            <h4 class="modal-title">{{ dynamicTitle }}</h4>
           </div>
           <div class="modal-body">
            <div class="form-group">
              <label>Nome</label>
              <input type="text" class="form-control" v-model="first name" />
```

</html>

```
<div class="modal-body">
                  <div class="form-group">
                    <label>Nome</label>
                    <input type="text" class="form-control" v-model="first name" />
                  </div>
                  <div class="form-group">
                    <label>Sobrenome</label>
                    <input type="text" class="form-control" v-model="last name" />
                  </div>
                  <br />
                  <div align="center">
                    <input type="hidden" v-model="hiddenId" />
                    <input type="button" class="btn btn-success btn-xs" v-model="actionButton" @click="submitData" />
                  </div>
                </div>
              </div>
            </div>
          </div>
        </div>
      </transition>
    </div>
  </div>
</body>
```

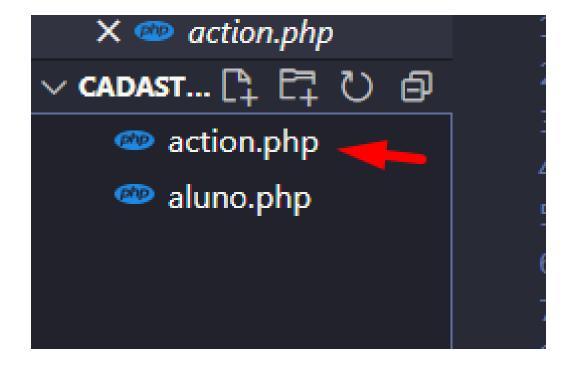
```
</html>
      <script>
        var application = new Vue({
117
          el: "#crudApp",
          data: {
            allData: "",
            myModel: false,
            actionButton: "Insert",
            dynamicTitle: "Adicionar Aluno",
          },
          methods: {
            fetchAllData: function () {
              axios
                 .post("action.php", {
                  action: "fetchall",
                .then(function (response) {
                  application.allData = response.data;
                });
            Դ,
            openModel: function () {
              application.first name = "";
              application.last name = "";
              application.actionButton = "Insert";
              application.dynamicTitle = "Adicionar Aluno";
              application.myModel = true;
            },
            submitData: function () {
              if (application.first_name != "" && application.last name != "") {
                if (application.actionButton == "Insert") {
                  axios
                     .post("action.php", {
                      action: "insert",
```

```
axios
    .post("action.php", {
      action: "insert",
      firstName: application.first name,
      lastName: application.last name,
    .then(function (response) {
      application.myModel = false;
      application.fetchAllData();
      application.first name = "";
      application.last name = "";
      alert(response.data.message);
    });
if (application.actionButton == "Update") {
  axios
    .post("action.php", {
      action: "update",
      firstName: application.first name,
      lastName: application.last name,
      hiddenId: application.hiddenId,
    .then(function (response) {
      application.myModel = false;
      application.fetchAllData();
      application.first name = "";
      application.last name = "";
      application.hiddenId = "";
      alert(response.data.message);
    });
else {
alert("Complete todos os dados!!!");
```

```
alert("Complete todos os dados!!!");
  },
  fetchData: function (id) {
    axios
      .post("action.php", {
        action: "fetchSingle",
        id: id,
      })
      .then(function (response) {
        application.first name = response.data.first name;
        application.last name = response.data.last name;
        application.hiddenId = response.data.id;
        application.myModel = true;
        application.actionButton = "Update";
        application.dynamicTitle = "Edit Data";
      });
  },
  deleteData: function (id) {
    if (confirm("Você tem certeza que deseja deletar esse aluno?")) {
      axios
        .post("action.php", {
          action: "delete",
          id: id,
        .then(function (response) {
          application.fetchAllData();
          alert(response.data.message);
        });
  },
},
created: function () {
  this.fetchAllData();
```

```
194
195
             deleteData: function (id) {
196
               if (confirm("Você tem certeza que deseja deletar esse aluno?")) {
                 axios
197
                   .post("action.php", {
                     action: "delete",
199
                     id: id,
                   })
201
                   .then(function (response) {
202
                     application.fetchAllData();
203
                     alert(response.data.message);
204
205
                   });
206
207
             },
208
           created: function () {
209
             this.fetchAllData();
210
211
           },
212
         });
213
      </script>
```

Crie um novo arquivo chamado action.php



```
<?php
     header('Access-Control-Allow-Origin: *');
     $connect = new PDO("mysql:host=localhost;dbname=id19500520 db", "id19500520 user", "Xitn^Gbvn3V9Kg<)");</pre>
     $received data = json decode(file get contents("php://input"));
     $data = array();
     if ($received data->action == 'fetchall') {
         $query = "
      SELECT * FROM fatec alunos
      ORDER BY id DESC
11
         $statement = $connect->prepare($query);
         $statement->execute();
         while ($row = $statement->fetch(PDO::FETCH ASSOC)) {
             $data[] = $row;
         echo json encode($data);
     if ($received data->action == 'insert') {
         $data = array(
             ':first name' => $received data->firstName,
             ':last name' => $received data->lastName
         );
         $query = "
      INSERT INTO fatec alunos
      (first name, last name)
      VALUES (:first name, :last name)
      ";
```

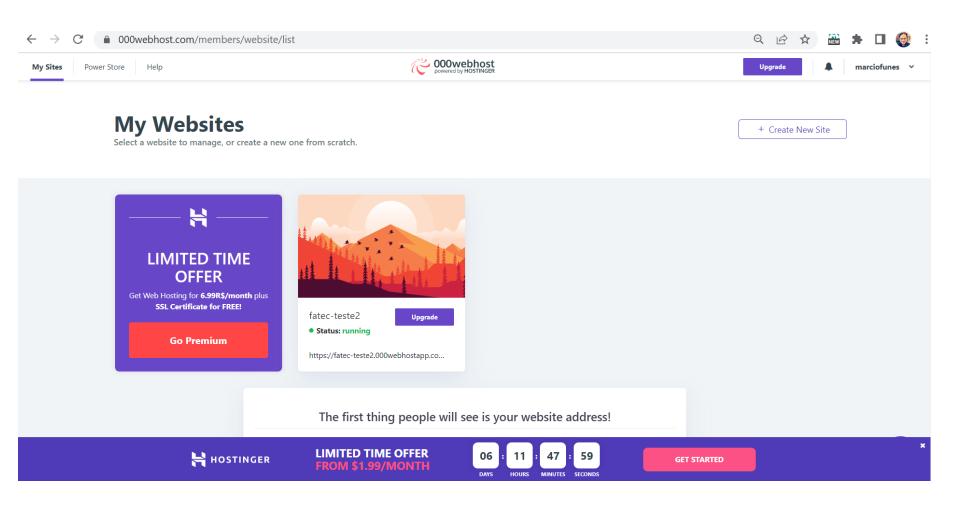
```
VALUES (:first name, :last name)
 ";
   $statement = $connect->prepare($query);
   $statement->execute($data);
   $output = array(
        'message' => 'Aluno Adicionado'
    );
   echo json encode($output);
if ($received data->action == 'fetchSingle') {
   $query = "
SELECT * FROM fatec alunos
WHERE id = '" . $received data->id . "'
   $statement = $connect->prepare($query);
   $statement->execute();
   $result = $statement->fetchAll();
    foreach ($result as $row) {
       $data['id'] = $row['id'];
       $data['first name'] = $row['first name'];
       $data['last name'] = $row['last name'];
    echo json encode($data);
```

```
echo json encode($data);
if ($received data->action == 'update') {
    $data = array(
        ':first name' => $received data->firstName,
        ':last name' => $received data->lastName,
        ':id' => $received data->hiddenId
    );
    $query = "
UPDATE fatec alunos
 SET first name = :first name,
 last name = :last name
WHERE id = :id
    $statement = $connect->prepare($query);
    $statement->execute($data);
    $output = array(
        'message' => 'Aluno Atualizado'
    );
    echo json encode($output);
if ($received data->action == 'delete') {
    $query = "
DELETE FROM fatec alunos
WHERE id = '" . $received data->id . "'
```

```
if ($received data->action == 'delete') {
 86
           $query =
 87
       DELETE FROM fatec alunos
 88
       WHERE id = '" . $received data->id .
 89
 90
 91
           $statement = $connect->prepare($query);
 92
 93
 94
           $statement->execute();
 95
           $output = array(
 96
               'message' => 'Aluno Deletado'
 97
 98
           );
99
           echo json encode($output);
100
101
102
      ?>
103
```



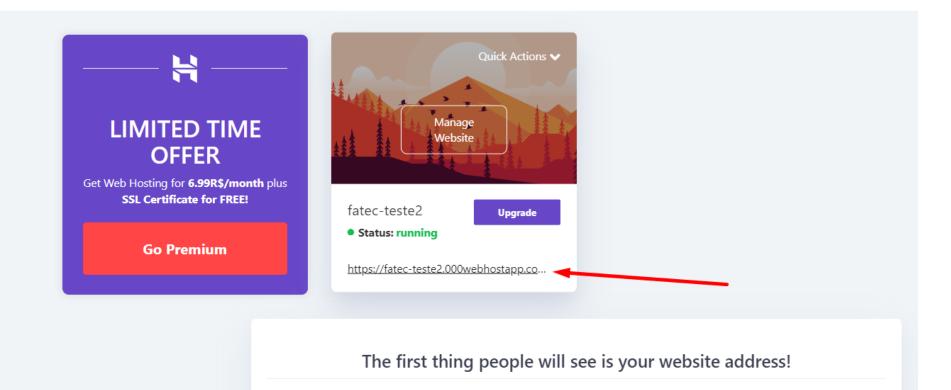
Acesse <a href="https://www.000webhost.com/">https://www.000webhost.com/</a> e faça login



Clique no link do seu site e deixe aberto em outra aba

# **My Websites**

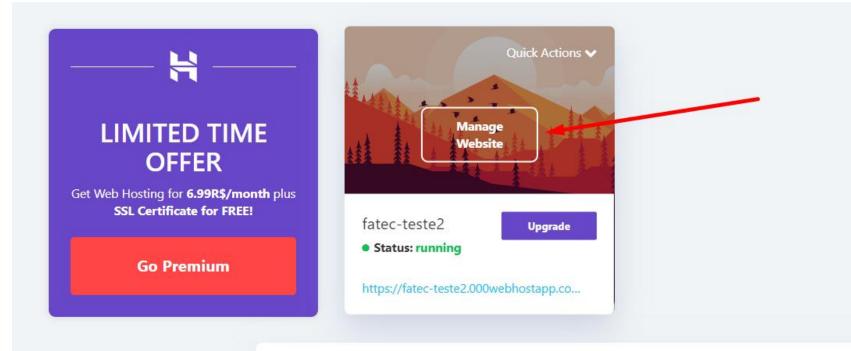
Select a website to manage, or create a new one from scratch.



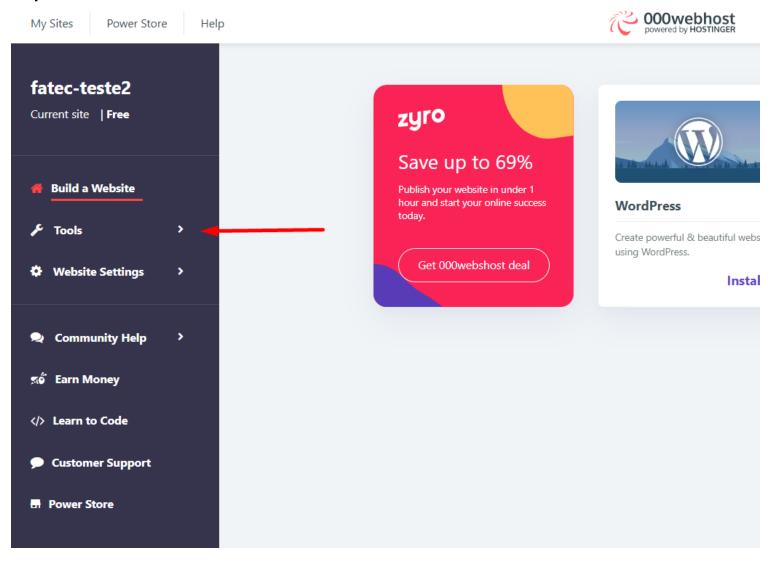
Clique em Manage Website

# My Websites

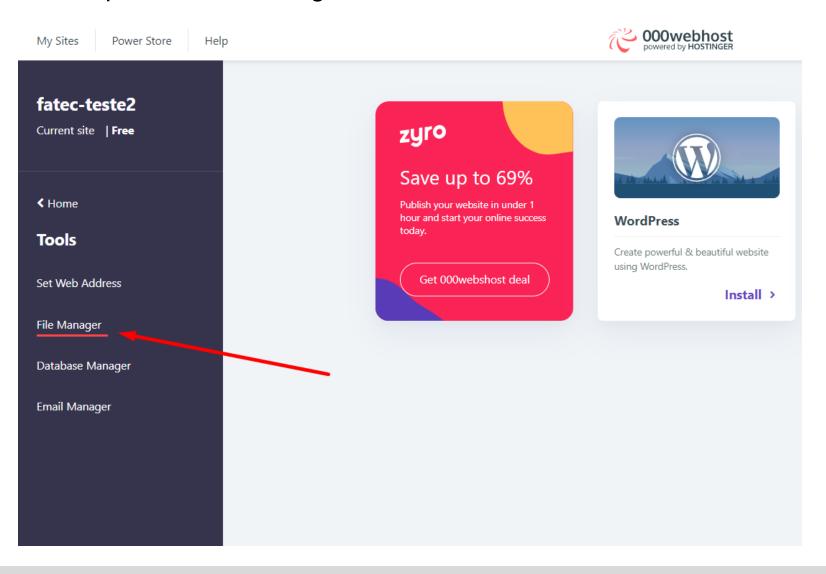
Select a website to manage, or create a new one from scratch.



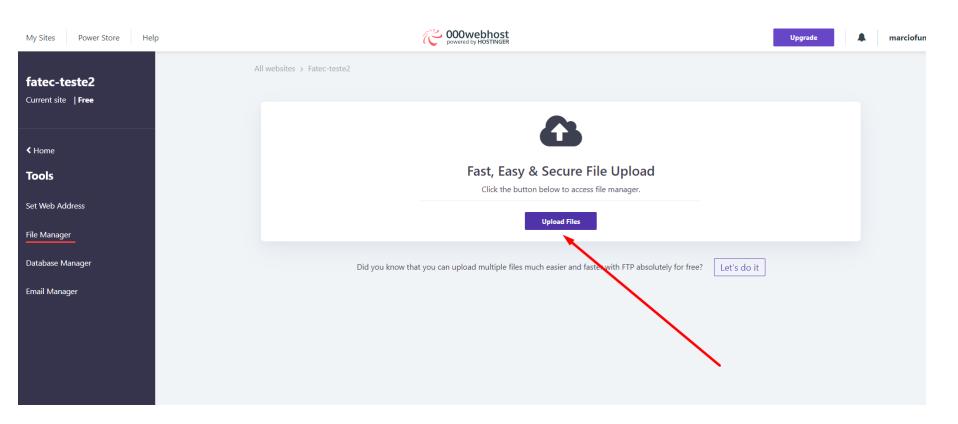
#### Clique em Tools



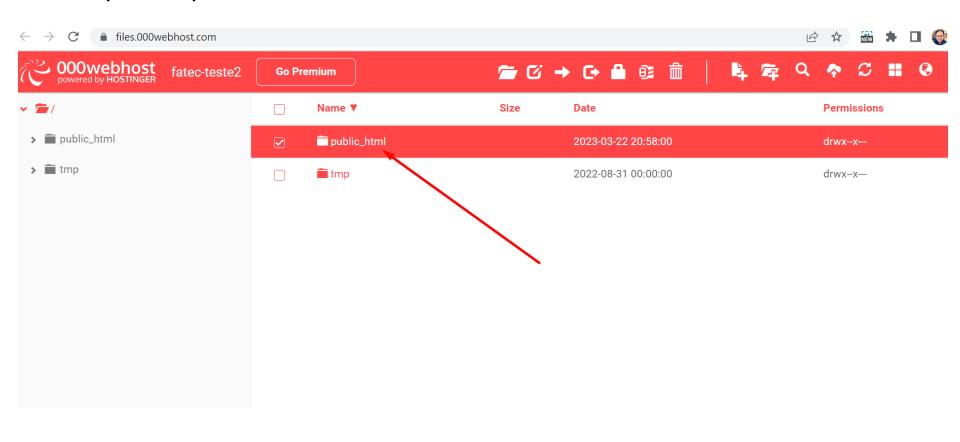
Clique em File Manager



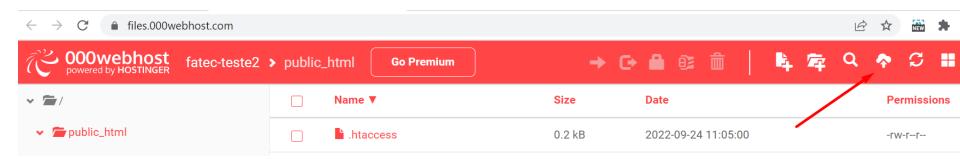
Clique em Upload File



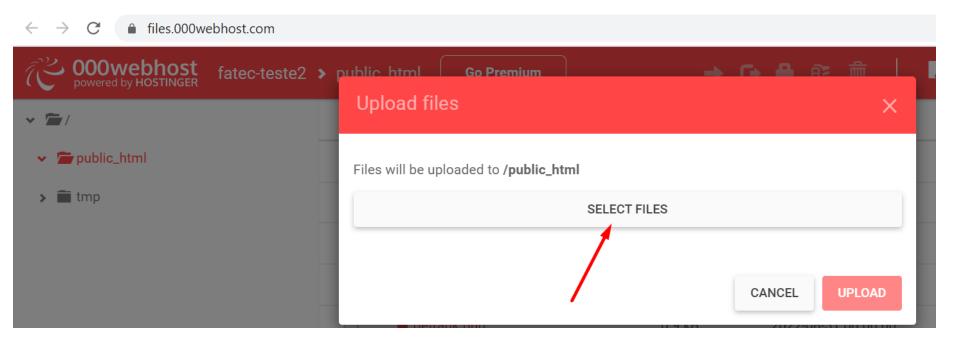
Clique em public\_html



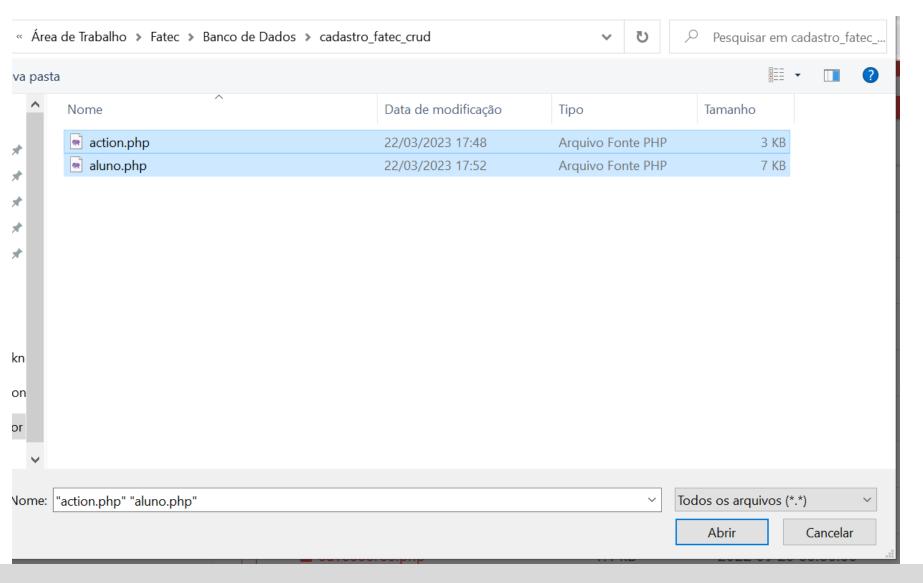
Clique em Upload Files



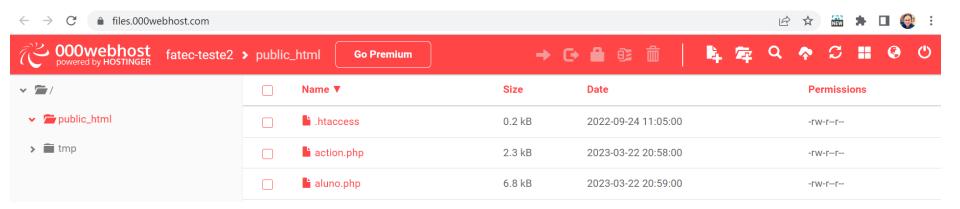
Clique em Select Files



Selecione os arquivos action.php e aluno.php e depois abrir



Sua tela deverá ser esta abaixo:



- Volte para a aba do seu site
- No final do endereço coloque aluno.php e dê enter
- Pronto, sua aplicação está online

