

conexao > conexao.php

```
1  <?php
2      class Conexao{
3          private $host = 'localhost';
4          private $dbname = 'cadAluno';
5          private $user = 'root';
6          private $pass = '';
7
8          public function conectar(){
9              try{
10                 $conexao = new PDO(
11                     "mysql:host=$this->host;dbname=$this->dbname",
12                     "$this->user",
13                     "$this->pass"
14                 );
15                 return $conexao;
16             }catch(PDOException $e){
17                 echo $e->getMessage();
18             }
19         }
20     }
21     $conexao = new Conexao();
22     $conexao->conectar();
23     ?>
```

controller > aluno.controller.php

```
1  <?php
2      require_once 'model/aluno.model.php';
3      require_once 'service/aluno.service.php';
4      require_once 'conexao/conexao.php';
5
6      @$acao = isset($_GET['acao'])? $_GET['acao']:$acao;
7      @$id = isset($_GET['id'])? $_GET['id']:$id;
8
9      if($acao == 'inserir'){
10         $aluno = new Aluno();
11         $aluno->__set('nome',$_POST['nome']);
12         $aluno->__set('idade',$_POST['idade']);
13         $aluno->__set('serie',$_POST['serie']);
14         $aluno->__set('foto',$_FILES['foto']['name']);
15
16         $conexao = new Conexao();
17
18         $alunoService = new AlunoService($aluno, $conexao);
19         $alunoService->inserir();
20
21         header('location: index.php?link=1');
22     }
23     if($acao == 'recuperar'){
24         $aluno = new Aluno();
25         $conexao = new Conexao();
26
27         $alunoService = new AlunoService($aluno, $conexao);
28         $aluno= $alunoService->recuperar();
29     }
30     if($acao == 'recuperAluno'){
31         $aluno = new Aluno();
32         $conexao = new Conexao();
33
34         $alunoService = new AlunoService($aluno, $conexao);
35         $aluno= $alunoService->recuperar($id);
36     }
```

```
37     if($acao == 'alterar'){
38         $aluno = new Aluno();
39         $aluno->__set('nome',$_POST['nome']);
40         $aluno->__set('idade',$_POST['idade']);
41         $aluno->__set('serie',$_POST['serie']);
42         if($_FILES['foto']['name'] != ''){
43             $aluno->__set('foto',$_FILES['foto']['name']);
44         }else{
45             $aluno->__set('foto',$_SESSION['foto']);
46         }
47         $aluno->__set('id',$_POST['id']);
48
49         $conexao = new Conexao();
50
51         $alunoService = new AlunoService($aluno, $conexao);
52         $alunoService->alterar();
53
54         header('location: index.php?link=1');
55     }
56     if($acao == 'excluir'){
57         $aluno = new Aluno();
58         $aluno->__set('id',$_POST['id']);
59
60         $conexao = new Conexao();
61
62         $alunoService = new AlunoService($aluno, $conexao);
63         $alunoService->excluir();
64
65         header('location: index.php?link=1');
66     }
67     if($acao == 'pesquisar'){
68         $aluno = new Aluno();
69         $conexao = new Conexao();
70
71         $alunoService = new AlunoService($aluno, $conexao);
72         $aluno= $alunoService->pesquisar();
73     }
74     ?>
```

✓ fotoAluno

📁 foto1.jpg

📁 foto2.jpg

📁 foto3.jpg

📁 foto4.jpg

📁 foto5.jpg



aluno.model.php X


model > aluno.model.php


```
1  <?php
2  class Aluno{
3      private $id;
4      private $nome;
5      private $idade;
6      private $serie;
7      private $foto;
8
9      public function __get($atributo){
10         return $this->$atributo;
11     }
12
13     public function __set($atributo,$valor){
14         $this->$atributo = $valor;
15     }
16 }
17 ?>
```

service > aluno.service.php

```
1 <?php
2 class AlunoService{
3     private $aluno;
4     private $conexao;
5
6     public function __construct(Aluno $aluno, Conexao $conexao){
7         $this->conexao= $conexao->conectar();
8         $this->aluno= $aluno;
9     }
10
11     public function inserir(){
12         $query = 'insert into aluno (nome, idade, serie, foto)
13             values(?, ?, ?, ?)';
14
15         $stmt = $this->conexao->prepare($query);
16         $stmt->bindValue(1, $this->aluno->__get('nome'));
17         $stmt->bindValue(2, $this->aluno->__get('idade'));
18         $stmt->bindValue(3, $this->aluno->__get('serie'));
19         $stmt->bindValue(4, $this->aluno->__get('foto'));
20
21         if($stmt->execute()){
22             $diretorio = 'fotoAluno/';
23             move_uploaded_file($_FILES['foto']['tmp_name'],
24                 $diretorio.$this->aluno->__get('foto'));
25         }
26     }
27
28     public function recuperar(){
29         $query = 'select id, nome, idade, serie, foto
30             from aluno';
31         $stmt=$this->conexao->prepare($query);
32         $stmt->execute();
33         return $stmt->fetchALL(PDO::FETCH_OBJ);
34     }
35
36     public function recuperarAluno($id){
37         $query = 'select id, nome, idade, serie, foto
38             from aluno
39             where id = ?';
40         $stmt = $this->conexao->prepare($query);
41         $stmt->bindValue(1, $id);
42         $stmt->execute();
43         return $stmt->fetchALL(PDO::FETCH_OBJ);
44     }
```

```
43 public function alterar(){
44     $query = 'update aluno
45         set nome = ?, idade= ?, serie=?, foto=?
46         where id = ?';
47
48     $stmt = $this->conexao->prepare($query);
49     $stmt->bindValue(1, $this->aluno->__get('nome'));
50     $stmt->bindValue(2, $this->aluno->__get('idade'));
51     $stmt->bindValue(3, $this->aluno->__get('serie'));
52     $stmt->bindValue(4, $this->aluno->__get('foto'));
53     $stmt->bindValue(5, $this->aluno->__get('id'));
54     if($stmt->execute()){
55         if($_SESSION['foto']!= $this->aluno->__get('foto')){
56             unlink('fotoAluno\\' . $_SESSION['foto']);
57             $diretorio = 'fotoAluno/';
58             move_uploaded_file($_FILES['foto']['tmp_name'],
59                 $diretorio.$this->produto->__get('foto'));
60         }
61     }
62
63     public function excluir(){
64         $query = 'delete from aluno where id = ?';
65         $stmt = $this->conexao->prepare($query);
66         $stmt->bindValue(1, $this->aluno->__get('id'));
67         if($stmt->execute()){
68             unlink('fotoAluno\\' . $_SESSION['foto']);
69         }
70     }
71
72     public function pesquisar(){
73         $query = 'select id, nome, idade, serie, foto
74             from aluno limit 5';
75         $stmt=$this->conexao->prepare($query);
76         $stmt->execute();
77         return $stmt->fetchALL(PDO::FETCH_OBJ);
78     }
```

 aluno.controller.php ✕

 aluno.controller.php

```
1  <?php
2      require_once 'controller/aluno.controller.php';
3  ?>
```

```

index.php
1  <?php session_start(); ?>
2  <!doctype html>
3  <html lang="en">
4  <head>
5  <meta charset="utf-8">
6  <meta name="viewport" content="width=device-width, initial-scale=1">
7  <title>Site para cadastro de alunos</title>
8  <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/css/bootstrap.min.css" rel="stylesheet"
9  integrity="sha384-GlhlTQ8iRABdZL1603oVMWsktQ0p6b7In1Z13/Jr59b6EGGoI1aFkw7cmDA6j6gD" crossorigin="anonymous">
10 </head>
11 <body>
12 <nav class="navbar navbar-expand-lg bg-body-tertiary">
13 <div class="container-fluid">
14 <div class="collapse navbar-collapse" id="navbarSupportedContent">
15 <ul class="navbar-nav me-auto mb-2 mb-lg-0">
16 <li class="nav-item">
17 <a class="nav-link active" aria-current="page" href="index.php?link=1">Home</a>
18 </li>
19 <li class="nav-item">
20 <a class="nav-link" href="index.php?link=2">Cadastro de Aluno</a>
21 </li>
22 <li class="nav-item">
23 <a class="nav-link" href="index.php?link=3">Área Restrita</a>
24 </li>
25 </ul>
26 <form class="d-flex" role="search">
27 <input class="form-control me-2" type="search" placeholder="Search" aria-label="Search">
28 <button class="btn btn-outline-success" type="submit">Search</button>
29 </form>
30 </div>
31 </div>
32 </nav>
33 <div class="container">
34 <?php
35 $link = @$_GET['link'];
36 $pag[1]='principal.php';
37 $pag[2]='cadAluno.php';
38 $pag[3]='areaRestrita.php';
39 $pag[4]='aluno.controller.php';
40

```

```

41
42
43 if(!empty($link)){
44     if(file_exists($pag[$link])){
45         include $pag[$link];
46     }
47 }else{
48     trim(include 'principal.php');
49 }
50 ?>
51 </div>
52 <div class="card">
53 <div class="card-header">
54
55 </div>
56 <div class="card-body">
57 <h5 class="card-title">Cadastro de Alunos com PHP e Mysql</h5>
58 <p class="card-text">Site para cadastro de alunos</p>
59 <a href="index.php?link=1" class="btn btn-primary">HOME</a>
60 </div>
61 <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/js/bootstrap.bundle.min.js"
62 integrity="sha384-w76AqPfdkMBDXo30jS1Sgez6pr3x5MlQ1ZAGC+nuZB+EYdgRZgiwxhT8T8Kf7CXXvN" crossorigin="anonymous"></script>
63 </body>
64 </html>

```

principal.php ✕

principal.php

```
1  <?php
2      $acao = 'pesquisar';
3      require_once 'aluno.controller.php';
4  ?>
5  <div class="row">
6      <?php foreach($aluno as $indice =>$aluno) { ?>
7          <div class="col">
8              <div class="card" style="width: 100%;">
9                  
10                 <div class="card-body">
11                     <h5 class="card-title"><?= $aluno->nome;?></h5>
12                     <p class="card-text"><?= $aluno->idade;?></p>
13                     <p class="card-text"><?= $aluno->serie;?></p>
14                     <a href="#" class="btn btn-primary">Conferir</a>
15                 </div>
16             </div>
17         </div>
18         <?php } ?>
19     </div>
20
```


scripts.sql ✕

scripts.sql

```
1  create database cadaluno;
2  use cadaluno;
3
4  create table aluno(
5      id int not null auto_increment primary key,
6      nome varchar(100) not null,
7      idade int not null,
8      serie varchar(100) not null,
9      foto varchar(50)
10 )
11
12 INSERT INTO aluno (nome, idade, serie, foto) VALUES
13 ('Ana Beatriz Silva', 14, '8º Ano', 'foto1.jpg');
14 INSERT INTO aluno (nome, idade, serie, foto) VALUES
15 ('Lucas Pereira', 16, '2º Ano Ensino Médio', 'foto2.jpg');
16 INSERT INTO aluno (nome, idade, serie, foto) VALUES
17 ('Mariana Costa', 13, '7º Ano', 'foto3.jpg');
18 INSERT INTO aluno (nome, idade, serie, foto) VALUES
19 ('João Vitor Almeida', 15, '1º Ano Ensino Médio', 'foto4.jpg');
20 INSERT INTO aluno (nome, idade, serie, foto) VALUES
21 ('Fernanda Rocha', 12, '6º Ano', 'foto5.jpg');
```