

conexao.php X

```
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     public function recuperar(){
28         $query = 'select id, nome, idade, serie, foto
29             from aluno';
30         $stmt=$this->conexao->prepare($query);
31         $stmt->execute();
32         return $stmt->fetchALL(PDO::FETCH_OBJ);
33     }
34     public function recuperarAluno($id){
35         $query = 'select id, nome, idade, serie, foto
36             from aluno
37             where id = ?';
38         $stmt = $this->conexao->prepare($query);
39         $stmt->bindValue(1,$id);
40         $stmt->execute();
41         return $stmt->fetchALL(PDO::FETCH_OBJ);
42     }
```

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

aluno.controller.php X

aluno.controller.php

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

```
index.php ● | 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"
|       integrity="sha384-GLhLTQ8iRABdZL1603oMMSktQOp6b7In1zL3/Jr59b6EGGoI1aFkw7cmDA6j6gD" crossorigin="anonymous">
9
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       $pag[4]='aluno.controller.php';
40
41       if(!empty($link)){
42         if(file_exists($pag[$link])){
43           include $pag[$link];
44         }
45       }else{
46         trim(include 'principal.php');
47       }
48     ?>
49   </div>
50   <div class="card">
51     <div class="card-header">
52     </div>
53     <div class="card-body">
54       <h5 class="card-title">Cadastro de Alunos com PHP e Mysql</h5>
55       <p class="card-text">Site para cadastro de alunos</p>
56       <a href="index.php?link=1" class="btn btn-primary">HOME</a>
57     </div>
58   </div>
59   <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.0-alpha1/dist/js/bootstrap.bundle.min.js"
|       integrity="sha384-w76AqPfDkMBDXo30jS1Sgez6pr3x5MlQ1ZAGC+nuZB+EYdgRZgiwxhTBtkF7CXvN" crossorigin="anonymous"></script>
60
61
62
63
64 </html>
```

principal.php X

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
```

script.sql X

```
script.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');
```