Sumário

1. loginA.php

1.1 Código

```php
1   <!DOCTYPE html>
2   <html lang="pt-br">
3       <head>
4           <meta charset="UTF-8">
5           <meta name="viewport" content="width=device-width, initial- scale=1.0">
6           <meta http-equiv="X-UA-Compatible" content="ie=edge">
7           <link rel="stylesheet" href="style.css">
8           <link rel="stylesheet" href="https://www.w3schools.com/w3css/4/w3.css">
9           <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/
            font-awesome/4.7.0/css/font-awesome.min.css">
10          <title>Autenticação</title>
11      </head>
12      <body>
13          <?php
14
15          ?>
16          <form action="Navegacao.php" method="POST" class="w3-container w3-card-4
            w3-light-grey w3-text-blue w3-margin w3-display-middle w3-round-large"
            style="width: 30%;">
17              <input type="hidden" name="nome_form" value="frmLogin" />
18              <h2 class="w3-center"><i class="w3-xxlarge fa fa-user"></i> Aluno Login</h2>
19              <div class="w3-row w3-section">
20                  <div class="w3-col" style="width:11%;">
21                      <i class="w3-xxlarge fa fa-user"></i>
22                  </div>
```
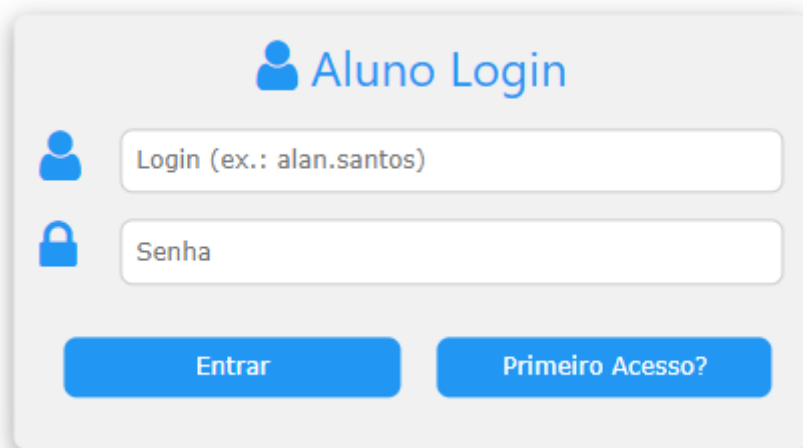
```
23                    <div class="w3-rest">
24
25                        <input class="w3-input w3-border w3-round-large" name="txtLogin"
                            type="text" placeholder="Login (ex.: alan.santos)">
26                    </div>
27                </div>
28            <div class="w3-row w3-section">
29                <div class="w3-col" style="width:11%">
30                    <i class="w3-xxlarge fa fa-lock"></i>
31                </div>
32                <div class="w3-rest">
33                    <input class="w3-input w3-border w3-round-large" name="txtSenha"
                        type="password"placeholder="Senha">
34                </div>
35            </div>
36            <div class="w3-row w3-section">
37                <div class="w3-half" style="">
38                    <button name="btnLoginAE" class="w3-button w3-block w3-margin
                        w3-blue w3-cell w3-round-large" style="width: 90%;">Entrar</button>
39                </div>
40                <div class="w3-half">
41                    <button name="btnPrimeiroAcessoA" class="w3-button w3-block
                        w3-margin w3-blue w3-cell w3-round-large" style="width: 90%;
                        ">Primeiro Acesso?</button>
42                </div>
43            </div>
44        </form>
45    </body>
46 </html>
```

1.2 Tela

2 primeiroAcesso.php

2.1 Código

```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="style.css">
        <link rel="stylesheet" href="https://www.w3schools.com/w3css/4/w3.css">
        <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/
        font-awesome/4.7.0/css/font-awesome.min.css">
        <title>Primeiro Acesso</title>
    </head>
    <body>

            <form action="Navegacao.php" method="post" class="w3-container w3-card-4
            w3-light-grey w3-text-blue w3-margin w3-display-middle w3-round-large"
            style="width: 30%;">
                    <h2 class="w3-center">Primeiro Acesso</h2>
                <div class="w3-row w3-section">
                    <div class="w3-col" style="width:11%;">
                        <i class="w3-xxlarge fa fa-user"></i>
                    </div>
                    <div class="w3-rest">
                        <input class="w3-input w3-border w3-round-large" name="txtNome"
                        type="text" placeholder="Nome Completo">
                    </div>
                </div>
                <div class="w3-row w3-section">
                    <div class="w3-col" style="width:11%;">
                        <i class="w3-xxlarge fa fa-drivers-license"></i>
                    </div>
                    <div class="w3-rest">
                        <input class="w3-input w3-border w3-round-large" name="txtRA"
                        type="text" placeholder="Registro do Aluno: 33.333">
                    </div>
                </div>
                <div class="w3-row w3-section">
                    <div class="w3-col" style="width:11%;">
                        <i class="w3-xxlarge fa fa-id-badge"></i>
                    </div>
                    <div class="w3-rest">
                        <input class="w3-input w3-border w3-round-large"
                        name="txtLogin" type="text" placeholder="Login (ex.: alan.
                        santos)">
                    </div>
                </div>
                <div class="w3-row w3-section">
                    <div class="w3-col" style="width:11%">
                        <i class="w3-xxlarge fa fa-lock"></i>
                    </div>
```

```
44                         <div class="w3-rest">
45                             <input class="w3-input w3-border w3-round-large"
                               name="txtSenha" type="password"placeholder="Senha">
46                             <input id="txtStatus" type="hidden" name="txtStatus" value="0">
47                         </div>
48                     </div>
49                     <div class="w3-row w3-section">
50                         <div class="w3-center" style="">
51                             <button name="btnCadastrarA" class="w3-button w3-block
                               w3-margin w3-blue w3-cell w3-round-large" style="width: 90%;
                               ">Cadastrar</button>
52                         </div>
53                     </div>
54                 </form>
55
56         </body>
57     </html>
```

2.2 Tela

3 AlunoModel

3.1 AlunoModel.php – Código

```php
<?php
// Classe para gerenciar os usuários
class AlunoModel {
    // Propriedades privadas
    private $login;
    private $nome;
    private $ra;
    private $senha;

    // Construtor para inicializar a classe
    public function __construct($login = null, $nome = null, $ra = null, $senha = null)
    {
        $this->login = $login;
        $this->nome = $nome;
        $this->ra = $ra;
        $this->senha = $senha;
    }

    // Getters e Setters
    public function getLogin() {
        return $this->login;
    }

    public function setLogin($login) {
        $this->login = $login;
    }

    public function getNome() {
        return $this->nome;
    }

    public function setNome($nome) {
        $this->nome = $nome;
    }

    public function getRa() {
        return $this->ra;
    }

    public function setRa($ra) {
        $this->ra = $ra;
    }

    public function getSenha() {
        return $this->senha;
    }
```

```php
47        public function setSenha($senha) {
48            $this->senha = $senha;
49        }
50
51        // Insere um usuário no banco de dados
52        public function inserirBD() {
53            require_once 'ConexaoBD.php';
54            $con = new ConexaoBD();
55            $conn = $con->conectar();
56
57            if ($conn->connect_error) {
58                die("Conexao falhou: " . $conn->connect_error);
59            }
60
61            $sql = "INSERT INTO `aluno` (`login`, `nome`, `ra`, `senha`) VALUES ('".
                   $this->login."','".$this->nome."','".$this->ra."','".$this->senha."')";
62
63            $result = $conn->query($sql);
64            $conn->close();
65
66            return $result === true;
67        }
68
69        // Exclui um usuário do banco de dados
70        public function excluirBD($login) {
71            require_once 'ConexaoBD.php';
72            $con = new ConexaoBD();
73            $conn = $con->conectar();
74
75            if ($conn->connect_error) {
76                die("Conexao falhou: " . $conn->connect_error);
77            }
78
79            $sql = "DELETE FROM `aluno` WHERE `login` = '".$login."'";
80
81            $result = $conn->query($sql);
82            $conn->close();
83
84            return $result === true;
85        }
86
87        // Atualiza informações do usuário no banco de dados
88        public function atualizarBD() {
89            require_once 'ConexaoBD.php';
90            $con = new ConexaoBD();
91            $conn = $con->conectar();
92
93            if ($conn->connect_error) {
94                die("Conexao falhou: " . $conn->connect_error);
95            }
96
97            $sql = "UPDATE `aluno` SET `nome` = '".$this->nome."', `senha` = '".
                   $this->senha."', `ra` = '".$this->ra."' WHERE `login` = '".$this->login."'";
98
99            $result = $conn->query($sql);
100           $conn->close();
101
102           return $result === true;
103       }
104
```

```php
105         // Carrega informações de um usuário com base no login
106         public function buscarBD($login) {
107             require_once 'ConexaoBD.php';
108             $con = new ConexaoBD();
109             $conn = $con->conectar();
110
111             if ($conn->connect_error) {
112                 die("Conexão falhou: " . $conn->connect_error);
113             }
114
115             $sql = "SELECT * FROM `aluno` WHERE `login` = '".$login."'";
116
117             $result = $conn->query($sql);
118             if ($result && $result->num_rows > 0) {
119                 $row = $result->fetch_object();
120                 $this->login = $row->login;
121                 $this->nome = $row->nome;
122                 $this->ra = $row->ra;
123                 $this->senha = $row->senha;
124             }
125
126             $conn->close();
127
128             return $this;
129         }
```

```php
130
131         public function listarTodos(){
132             require_once 'ConexaoBD.php';
133             $con = new ConexaoBD();
134             $conn = $con->conectar();
135             if($conn->connect_error){
136                 die("Conexão falhou: ".$conn->connect_error);
137             }
138             $sql = "SELECT * FROM `aluno`";
139
140             $tabelaRegistros = $conn->query($sql);
141             $conn->close();
142             return $tabelaRegistros;
143         }
144 }
145 ?>
146
```

4 AlunoController

4.1 AlunoController.php – Código

```php
<?php
    class AlunoController{
        public function inserir($login, $nome, $ra, $senha) {
            require_once '../Model/AlunoModel.php';
            $a = new AlunoModel();
            $a->setLogin($login);
            $a->setNome($nome);
            $a->setRa($ra);
            $a->setSenha($senha);
            $r = $a->inserirBD();
            if($r) $_SESSION['Aluno'] = serialize($a);
            return $r;
        }

        public function remover($login) {
            require_once '../Model/AlunoModel.php';
            $a = new AlunoModel();
            $r = $a->excluirBD($login);
            return $r;
        }
```

```php
        public function buscar($login){
            require_once '../Model/AlunoModel.php';
            $a = new AlunoModel();
            $a->buscarBD($login);
            if($a != null) {
                $_SESSION['Aluno'] = serialize($a);
                return true;
            } else {
                return false;
            }
        }

        public function atualizar($login, $nome, $ra, $senha){
            require_once '../Model/AlunoModel.php';
            $a = new AlunoModel();
            $a->setLogin($login);
            $a->setNome($nome);
            $a->setRa($ra);
            $a->setSenha($senha);
            $r = $a->atualizarBD();
            $_SESSION['Aluno'] = serialize($a);
            return $r;
        }
```

```php
46          public function logar($login, $senha) {
47              require_once '../Model/AlunoModel.php';
48              $a = new AlunoModel();
49              $a->buscarBD($login);
50              $verSenha = $a->getSenha();
51              if($senha == $verSenha) {
52                  $_SESSION['Aluno'] = serialize($a);
53                  return 1;
54              } else {
55                  return 0;
56              }
57          }
58
59          public function gerarLista()
60          {
61              require_once '../Model/AlunoModel.php';
62              $a = new AlunoModel();
63              return $results = $a->listarTodos();
64          }
65      }
66  ?>
67  |
```

5 Navegação

5.1 Navegacao.php – Código

```php
1   <?php
2       if(!isset($_SESSION)) {
3           session_start();
4       }
5       //var_dump($_SESSION['Aluno']);
6
7   // tela inicial aplicação
8       switch($_POST) {
9               //Caso a variavel seja nula mostrar tela de login
10              case isset($_POST[null]):
11                  if(empty($_SESSION))
12                      if($_SERVER['REQUEST_URI']=="/Sistema/") include_once "./View/
                        loginA.php";
13                      else header("location: ../");
14                  else{
15                      if(!is_null($_SESSION['Aluno'])){
16                          if($_SERVER['REQUEST_URI']=="/Sistema/"){
17                              header("location: ./Controller/Navegacao.php");
18                          }
19                          else{
20                              include_once "../Controller/AlunoController.php";
21                              require_once '../Model/AlunoModel.php';
22                          }
```

```php
                        $ac2 = new AlunoController();
                        $result = $ac2->logar(unserialize($_SESSION['Aluno'])->getLogin
                        (),unserialize($_SESSION['Aluno'])->getSenha());
                        if($result){
                            include_once "../View/masterpage.php";
                            echo ("<script>showSection('home')</script>");
                        }else{
                            session_destroy();
                            header("location: ../");
                        }
                    }
                }
            break;

// telas de login Execução (aluno)
        case isset($_POST["btnLoginAE"]):
            require_once "../Controller/AlunoController.php";
            $aController = new AlunoController();
            $resLogin = $aController->logar($_POST["txtLogin"], $_POST["txtSenha"]);
            if($resLogin == 1){
                include_once "../View/masterpage.php";
                echo ("<script>showSection('home')</script>");
            }
            if($resLogin == 0){
                include_once "../View/loginNaoRealizado.php";
            }
        break;

        case isset($_POST["btnLoginNaoRealizado"]):
            header("location: ../");
        break;


// telas cadastros (aluno)

        case isset($_POST["btnPrimeiroAcessoA"]):
            include_once "../View/primeiroAcesso.php";
        break;

// telas cadastros Execução (aluno)

        case isset($_POST["btnCadastrarA"]):
            require_once "../Controller/AlunoController.php";
            $ac = new AlunoController();
            if ($ac->inserir($_POST['txtLogin'], $_POST["txtNome"], $_POST["txtRA"],
            $_POST["txtTurma"], $_POST["txtSenha"], $_POST["txtStatus"])){
                include_once "../View/cadastroRealizadoT.php";
            }
            else{
                include_once "../View/cadastroNaoRealizadoT.php";
            }
        break;
    }
    //var_dump($_SESSION['Aluno']);
?>
```