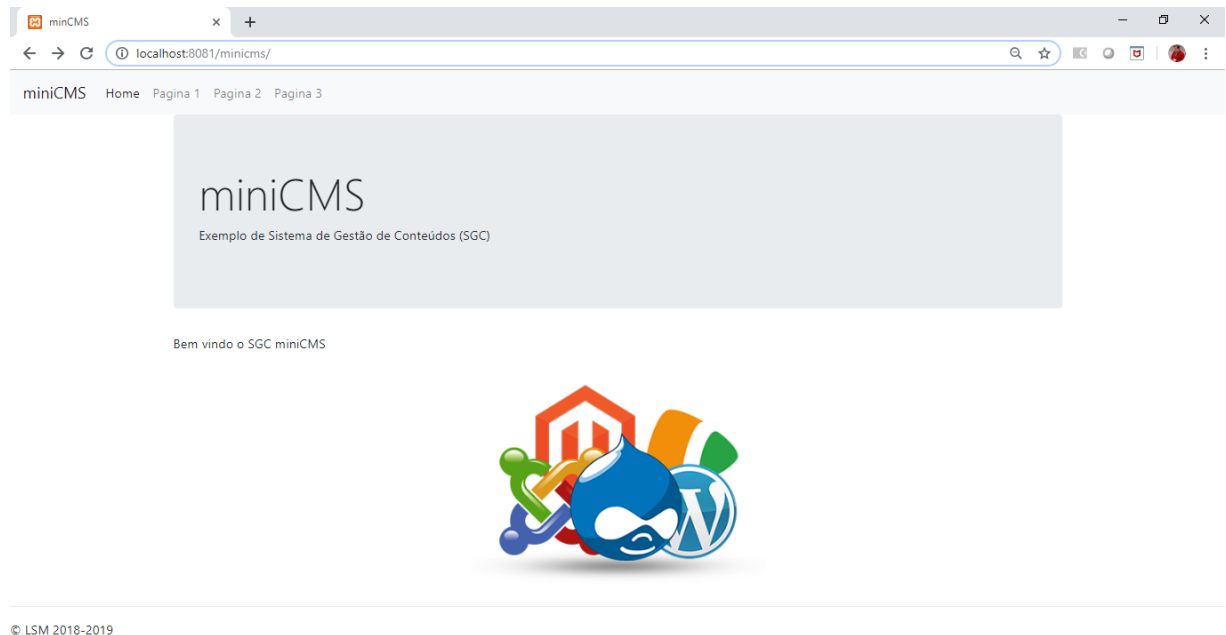:: miniCMS ::

Frontoffice e Backoffice

Objetivo:

Criar um CMS (Content Managment System) com componente frontoffice e backoffice.

Objetivos:

- Base de dados com os conteudos
- Página default.php – junção de menu.inc.php + default.php + footer.inc.php
- Página pagina.php – Visualizar qualquer página registada em base de bados
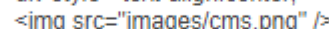- Backoffice

Base de dados de suporte ao CMS

## Criar a Base Dados (MySql)

Base de dados: miniCMS

Tabela: Conteudos

#	Nome	Tipo	Agrupamento (Collation)	Atributos	Nulo	Predefinido	Comentários	Extra	Acções
1	ID 🔑	int(11)			Não	None		AUTO_INCREMENT	🖉 Muda ⊖ Elimina ▾ Mais
2	Pagina	varchar(50)	utf8_general_ci		Não	None			🖉 Muda ⊖ Elimina ▾ Mais
3	Titulo	varchar(50)	utf8_general_ci		Não	None			🖉 Muda ⊖ Elimina ▾ Mais
4	Texto	longtext	utf8_general_ci		Não	None			🖉 Muda ⊖ Elimina ▾ Mais
5	Autor	varchar(50)	utf8_general_ci		Não	None			🖉 Muda ⊖ Elimina ▾ Mais
6	Data	date			Não	None			🖉 Muda ⊖ Elimina ▾ Mais

Exemplo de Dados
Conteudos

ID	Pagina	Titulo	Texto	Autor	Data
1	home	Home	`<p>Bem vindo o SGC miniCMS</p>` `<div style="text-align:center;">` `<img src="images/cms.png" />` `</div>`	miniCMS	2019-04-01
3	pagina1	Pagina 1	`<p>Texto exemplo da pagina 1</p>`	miniCMS	2019-04-01
5	pagina2	Pagina 2	`<p>Texto exemplo da pagina 2</p>`	miniCMS	2019-04-01
6	pagina3	Pagina 3	`<p>Texto exemplo da pagina 3</p>`	miniCMS	2019-04-01

Estrutura Aplicação Web:
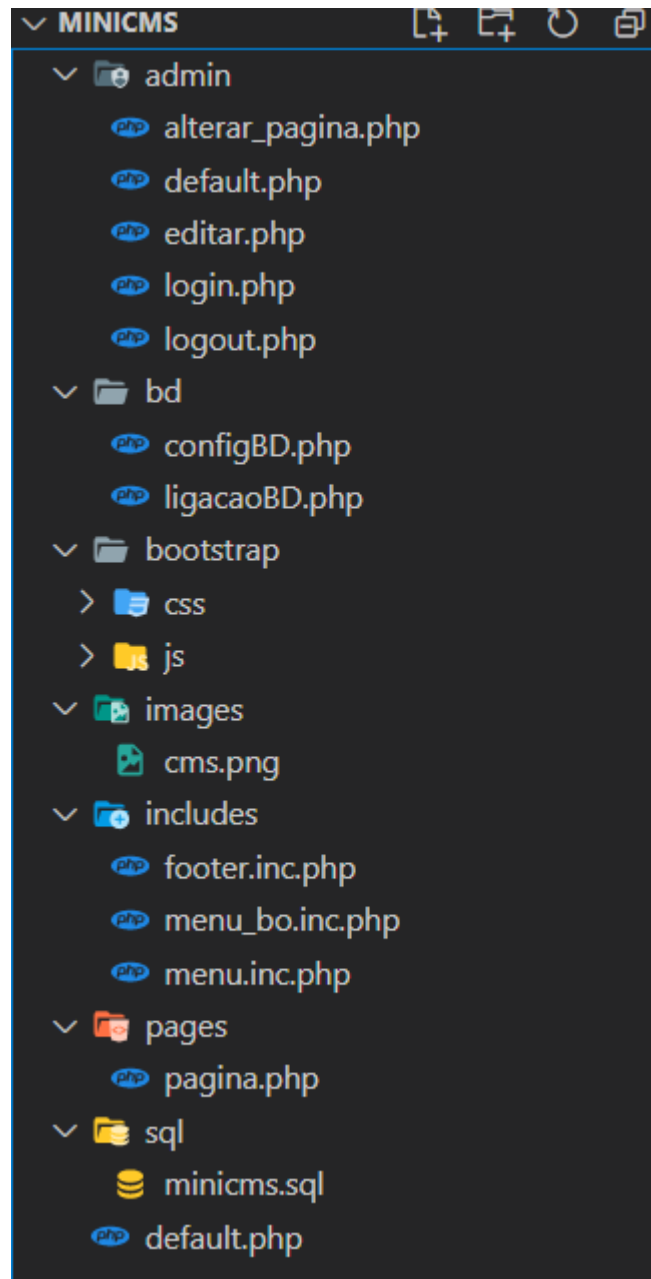
bd\configBD.php

configBD.php

```php
<?php
    $servidor="localhost";
    $utilizador="root";
    $password="";
    $basedados="miniCMS";
?>
```

bd\ligacaoBD.php

ligacaoBD.php

```php
<?php
    function connectDatabase(){

        include "configBD.php";

        $conexao = mysqli_connect($servidor, $utilizador, $password, $basedados);

        if(!$conexao) {
            die('Não foi possivel estabelecer uma conexão com o gestor de Base de Dados MySQL: ' .mysql_error());
            exit;
        }
        return $conexao;
    }
?>
```

includes\ footer.inc.php

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footer.inc.php

```php
<footer>
  <hr/>
  <p>&copy; LSM 2018-2019</p>
</footer>
 <!-- Optional JavaScript -->
 <script src="https://code.jquery.com/jquery-3.3.1.slim.min.js" integrity="sha384-q8i/X+965Dz00rT7abK41JStQIAqVgRVzpbzo5smXKp4YfRvH+8abtTE1Pi6jizo" crossorigin="anonymous"></script>
 <script src="/inscricoes_v3/bootstrap/js/bootstrap.js"></script>
```

includes\menu.inc.php

miniCMS   Home Pagina 1 Pagina 2 Pagina 3

menu.inc.php

```html
<nav class="navbar navbar-expand-lg navbar-light bg-light">
  <a class="navbar-brand" href="/miniCMS">miniCMS</a>
  <button class="navbar-toggler" type="button" data-toggle="collapse"
  data-target="#navbarNav" aria-controls="navbarNav" aria-
  expanded="false" aria-label="Toggle navigation">
    <span class="navbar-toggler-icon"></span>
  </button>
  <div class="collapse navbar-collapse" id="navbarNav">
    <ul class="navbar-nav">
      <li class="nav-item active">
        <a class="nav-link" href="/miniCMS">Home <span class="sr-
        only">(current)</span></a>
      </li>
      <li class="nav-item">
        <a class="nav-link"
  href="/miniCMS/pages/pagina.php?pag=pagina1">Pagina 1</a>
      </li>
      <li class="nav-item">
        <a class="nav-link"
  href="/miniCMS/pages/pagina.php?pag=pagina2">Pagina 2</a>
      </li>
      <li class="nav-item">
        <a class="nav-link"
  href="/miniCMS/pages/pagina.php?pag=pagina3">Pagina 3</a>
      </li>

    </ul>
  </div>
</nav>
```
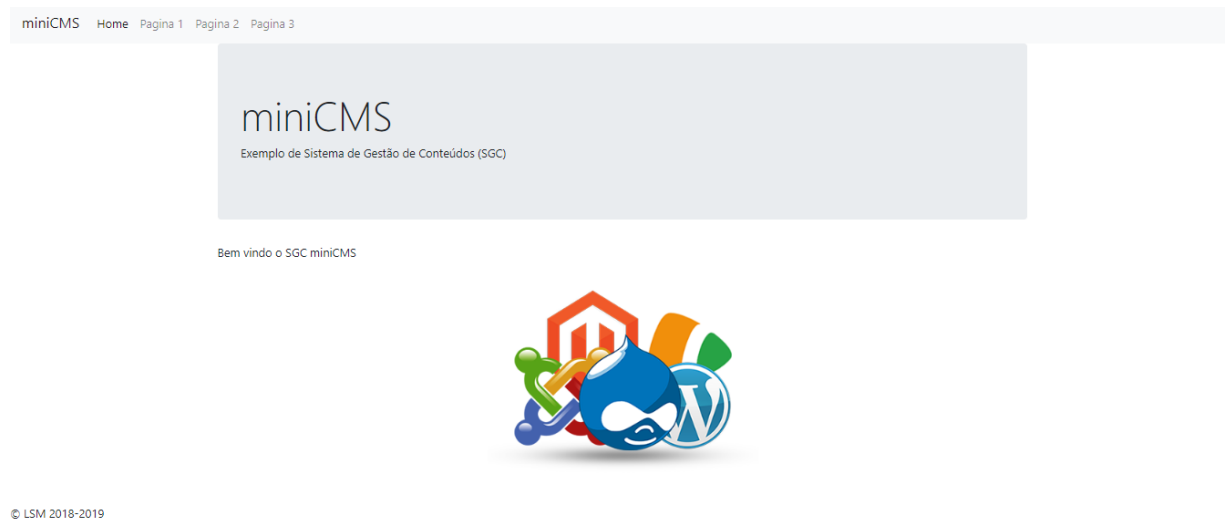
default.php

<table>
<tr><td align="center">default.php</td></tr>
</table>

```php
<?php
  include "bd/ligacaoBD.php";
  $conn = connectDatabase();

  //Pesquisa registo
    $sql = "SELECT pagina, texto FROM conteudos WHERE pagina = 'home'";
    $resultado = mysqli_query($conn,  $sql);

    $row = mysqli_fetch_assoc($resultado);
?>

<!DOCTYPE html>
<html>

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <link href="bootstrap/css/bootstrap.css" rel="stylesheet" type="text/css">
  <title>minCMS</title>
</head>
```

```
<body>

  <?php include "includes/menu.inc.php"; ?>

  <main role="main">

    <div class="container">
      <div class="jumbotron">
        <h1 class="display-4">miniCMS</h1>
        <p> Exemplo de Sistema de Gestão de Conteúdos (SGC)</p>
      </div>

      <?php echo $row["texto"]; ?>

    </div>
  </main>
  <?php include "includes/footer.inc.php"; ?>
      <!-- Optional JavaScript -->
      <script src="https://code.jquery.com/jquery-3.3.1.slim.min.js"
       integrity="sha384-   q8i/X+965Dz00rT7abK41JStQIAqVgRVzpbzo5smXKp4YfRvH+8abtTE1Pi6jizo"
       crossorigin="anonymous"></script>
      <script src="bootstrap/js/bootstrap.js"></script>
</body>
</html>
```

pagina.php

miniCMS   Home   Pagina 1   Pagina 2   Pagina 3

Pagina 1

Texto exemplo da pagina 1

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pagina.php

```php
<?php
  include "../bd/ligacaoBD.php";
  $conn = connectDatabase();

  //Pesquisa registo
  if ($_SERVER["REQUEST_METHOD"] == "GET") {
    if (isset($_GET["pag"])){
      $pag = $_GET["pag"];
     $sql = "SELECT pagina, titulo, texto FROM conteudos WHERE pagina = '$pag'";
     $resultado = mysqli_query($conn,  $sql);
       $row = mysqli_fetch_assoc($resultado);
    }
  }
?>
<!DOCTYPE html>
<html>
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <link href="../bootstrap/css/bootstrap.css" rel="stylesheet" type="text/css">
  <title><?php $echo["titulo"]; ?></title>
</head>

<body>
  <?php include "../includes/menu.inc.php"; ?>

  <main role="main">
    <div class="container">
      <?php
        echo "<h1>" .$row["titulo"]. "</h1>";
        echo "<br/>";
        echo $row["texto"];
      ?>
    </div>
  </main>


  <?php include "../includes/footer.inc.php"; ?>
</body></html>
```
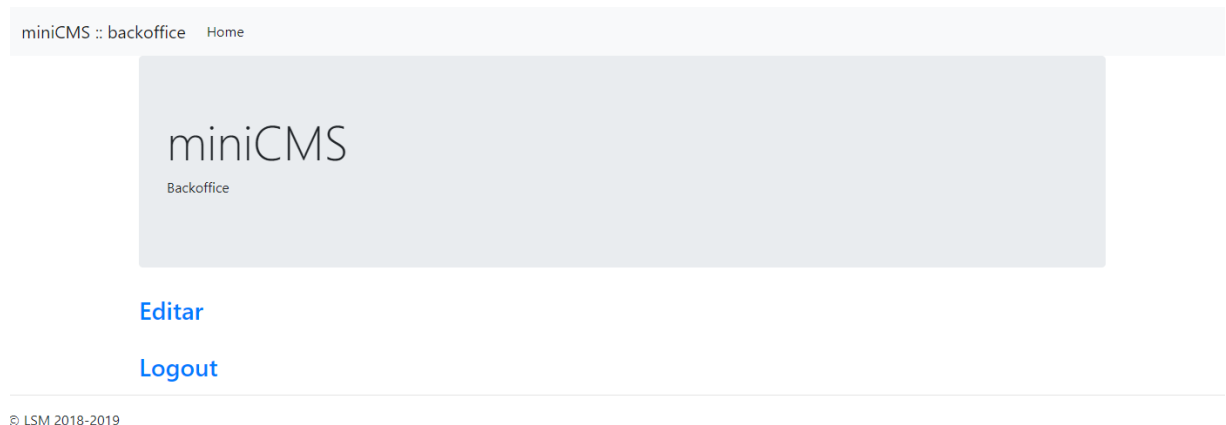
miniCMS – Backoffice

minCMS/admin

miniCMS :: backoffice   Home

miniCMS

Backoffice

Editar

Logout

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Adicionar à Base Dados (MySql) a tabela "admins"

Base de dados: miniCMS

Tabela: admins

#	Nome	Tipo	Agrupamento (Collation)	Atributos	Nulo	Predefinido	Comentários	Extra	Acções		
1	ID 🔑	int(11)			Não	*None*		AUTO_INCREMENT	🖉 Muda	⛔ Elimina	▽ Mais
2	UserName	varchar(50)	utf8_general_ci		Não	*None*			🖉 Muda	⛔ Elimina	▽ Mais
3	Codigo	varchar(50)	utf8_general_ci		Não	*None*			🖉 Muda	⛔ Elimina	▽ Mais

Exemplo de Dados
admins

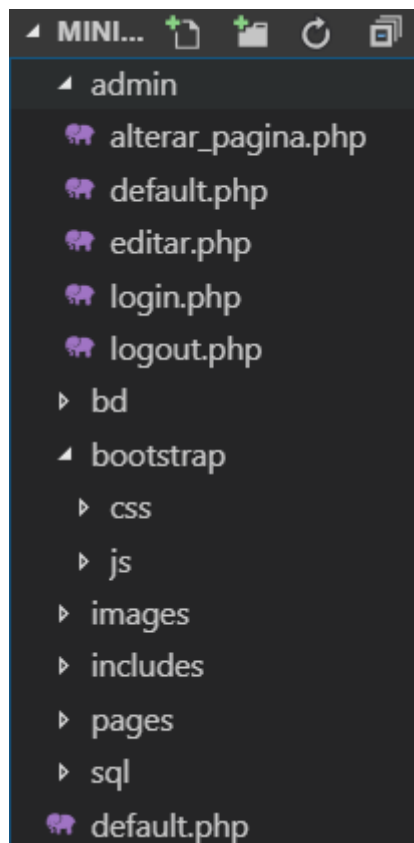| ID	UserName	Codigo
1	admin	21232F297A57A5A743894A0E4A801FC3

Password: codificação MD5 da password "admin"

Para evitar que o utilizador possa entrar diretamente nas páginas de edição sem fazer login, vamos usar **Sessões**

Estrutura Aplicação Web:

Novas páginas:

       admin/default.php
       admin/login.php
       admin/editar.php
       admin/alterar_pagina.php
       admin/logout.php
       includes/menu_bo.inc.php

```
◢ MINI...  📄  📁  ↻  🗗
   ◢ admin
      🐘 alterar_pagina.php
      🐘 default.php
      🐘 editar.php
      🐘 login.php
      🐘 logout.php
   ▷ bd
   ◢ bootstrap
      ▷ css
      ▷ js
   ▷ images
   ▷ includes
   ▷ pages
   ▷ sql
   🐘 default.php
```

includes\menu_bo.inc.php

miniCMS :: backoffice   Home

menu.inc.php

```html
<nav class="navbar navbar-expand-lg navbar-light bg-light">
    <a class="navbar-brand" href="/miniCMS/admin">miniCMS :: backoffice</a>
    <button class="navbar-toggler" type="button" data-toggle="collapse"
    data-target="#navbarNav" aria-controls="navbarNav" aria-
    expanded="false" aria-label="Toggle navigation">
      <span class="navbar-toggler-icon"></span>
    </button>
    <div class="collapse navbar-collapse" id="navbarNav">
      <ul class="navbar-nav">
        <li class="nav-item active">
          <a class="nav-link" href="/miniCMS/admin">Home <span class="sr-
          only">(current)</span></a>
        </li>

      </ul>
    </div>
  </nav>
```

admin/default.php

miniCMS :: backoffice   Home

miniCMS

Backoffice

Editar

Logout

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---

admin/default.php

```php
<?php

    session_start();
    //Verificar variavel de sessão, criada caso faça Login
    if (isset($_SESSION['login_ok']) == false)
    {
      header("location: login.php");
    }


    $login_ok = $_SESSION['login_ok'];
    if ($login_ok == "false")
    {
      header("location: login.php");
    }
?>

<!DOCTYPE html>
<html>

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <link href="../bootstrap/css/bootstrap.css" rel="stylesheet"
type="text/css">
  <title>minCMS :: backoffice</title>
</head>
```

```php
<body>

  <?php include "../includes/menu_bo.inc.php"; ?>

  <main role="main">

    <div class="container">
      <div class="jumbotron">
        <h1 class="display-4">miniCMS</h1>
        <p> Backoffice</p>
      </div>

            <?php
                if (isset($_SESSION['login_ok']))
                {
                  echo "Bem vindo, " .  $_SESSION['login_user'];
                   echo "<h4><a href='logout.php'>Logout</a></h4>";
                }
            ?>

            <br/><br/>
            <h3><a href="editar.php">Editar</a></h3>


      </div>

  </main>

  <?php include "../includes/footer.inc.php"; ?>

</body>

</html>
```

admin/login.php

miniCMS :: backoffice   Home

miniCMS

Backoffice

User Name :

Password :

Entrar

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---

admin/login.php

```php
<?php
    //Inicia sessao
    session_start();

    $error ="";

   if($_SERVER["REQUEST_METHOD"] == "POST") {

      include "../bd/ligacaoBD.php";
      $conn = connectDatabase();

      //Retirar caracteres especiais
      //NUL (ASCII 0), \n, \r, \, ', ", and Control-Z.
      $campoUsername = mysqli_real_escape_string($conn, $_POST['username']);
      $campoPassword = mysqli_real_escape_string($conn, $_POST['password']);

      $campoPassword  = md5($campoPassword); //Codifica a passoword com MD5


    $sql = "SELECT * FROM admins WHERE UserName = '$campoUsername' AND Codigo = '$campoPassword'";

      $numRegistos=0;
      if ($resultado = mysqli_query($conn, $sql))
      {
          $numRegistos = mysqli_num_rows($resultado);
      }
```

```php
        if($numRegistos == 1) {
            $_SESSION['login_ok'] = "true";
            $_SESSION['login_user'] = $campoUsername;

            header("location: default.php");

        }else {
            $error = "Username e/ou Password errado!";
        }
    }
?>


<!DOCTYPE html>
<html>

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <link href="../bootstrap/css/bootstrap.css" rel="stylesheet" type="text/css">
  <title>minCMS :: backoffice</title>
</head>

<body>
  <?php include "../includes/menu_bo.inc.php"; ?>

  <main role="main">

    <div class="container">
      <div class="jumbotron">
        <h1 class="display-4">miniCMS</h1>
        <p> Backoffice</p>
      </div>
          <form action="" method="post">
            <label>User Name  :</label><input type="text" name="username"
                  class="form-control"/><br /><br />
            <label>Password    :</label><input type="password" name="password"
                  class="form-control" /><br/><br />
            <input class="btn btn-success" type="submit" value="Entrar"/><br />
          </form>

          <div style = "font-size:11px; color:#cc0000; margin-top:10px"><?php
                  echo $error; ?></div>
      </div>
  </main>

  <?php include "../includes/footer.inc.php"; ?>
</body>
</html>
```

admin/editar.php

miniCMS :: backoffice   Home

miniCMS

Backoffice

Páginas

Página	ações
home	Alterar
pagina1	Alterar
pagina2	Alterar
pagina3	Alterar

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---

admin/editar.php

```php
<?php
    session_start();
    if (isset($_SESSION['login_ok']) == false)
    {
      header("location: login.php");
    }

    $login_ok = $_SESSION['login_ok'];
    if ($login_ok == "false")
    {
      header("location: login.php");
    }

?>


<!DOCTYPE html>
<html>

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <link href="../bootstrap/css/bootstrap.css" rel="stylesheet" type="text/css">
  <title>minCMS :: backoffice</title>
</head>
```

```
<body>
  <?php include "../includes/menu_bo.inc.php"; ?>

  <main role="main">

    <div class="container">
      <div class="jumbotron">
        <h1 class="display-4">miniCMS</h1>
        <p> Backoffice</p>
      </div>

        <?php

            include "../bd/ligacaoBD.php";
            $conn = connectDatabase();

            $sql = "SELECT * FROM Conteudos";

            $result = mysqli_query($conn,  $sql);

            echo "<h1>Páginas</h1>";
            echo "<table class='table'>";
            echo "<tr>";
            echo "<th>Página</th><th>ações</th>";
            echo "</tr>";

            while ($row = mysqli_fetch_row($result)) {

                echo "<tr>";

                echo "<td> $row[1]</td>";
                echo "<td>";
                echo "<a href='alterar_pagina.php?id=$row[0]'>Alterar</a>";
                echo "</td>";

                echo "</tr>";
              }
            echo "</table>";
        ?>

      </div>

  </main>

  <?php include "../includes/footer.inc.php"; ?>

</body>
</html>
```

admin/alterar_pagina.php

miniCMS :: backoffice   Home

miniCMS

Backoffice

Página :: Alteração

Pagina:

home

Titulo:

Home

Texto:

```
    <p>Bem vindo o SGC miniCMS</p>
<div style="text-align:center;">
  <img src="images/cms.png" />
</div>
```

Autor:

miniCMS

Alterar

---

admin/alterar_pagina.php

```php
<?php
  session_start();
  if (isset($_SESSION['login_ok']) == false)
  {
    header("location: login.php");
  }

  $login_ok = $_SESSION['login_ok'];
  if ($login_ok == "false")
  {
    header("location: login.php");
  }

  include "../bd/ligacaoBD.php";
  $conn = connectDatabase();
```

```php
        //Pesquisa registo
    if ($_SERVER["REQUEST_METHOD"] == "GET") {
        if (isset($_GET["id"])){
            $id = $_GET["id"];

            $sql = "SELECT * FROM Conteudos WHERE id = $id";
            $result = mysqli_query($conn,  $sql);

            if (mysqli_num_rows($result) > 0) {
                $row = mysqli_fetch_row($result);
            }
        }
    }


    //Alterar registo
    if ($_SERVER["REQUEST_METHOD"] == "POST") {
      if (isset($_POST["Titulo"])){
        $id = $_POST['id_registo'];
        $titulo = $_POST["Titulo"];
        $texto = $_POST["Texto"];
        $autor = $_POST["Autor"];

        $sql = "UPDATE Conteudos SET Titulo='$titulo', Texto='$texto', Autor='$autor'
        WHERE id = $id";

        $result = mysqli_query($conn,  $sql);


        //volta para a pagina editar
        header("Location:editar.php");
      }
    }
?>

<!DOCTYPE html>
<html>

<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <link href="../bootstrap/css/bootstrap.css" rel="stylesheet" type="text/css">
  <title>minCMS :: backoffice</title>
</head>



<body>
  <?php include "../includes/menu_bo.inc.php"; ?>
```

```html
<main role="main">
  <div class="container">
    <div class="jumbotron">
      <h1 class="display-4">miniCMS</h1>
      <p> Backoffice</p>
    </div>

    <h1>Página :: Alteração</h1>
        <form action="" method="post" >
          <!-- campo invisivel-->
          <input type="hidden" name="id_registo" value="<?php echo $id; ?>">

          <div style="width:100%;">
            <div class="form-group">
              <label for="Pagina">Pagina:</label>
            <input class="form-control" type="text" name="Pagina" size="50"
        readonly value="<?php   echo $row[1]; ?>" placeholder="Nome da página..." />
            </div>

            <div class="form-group">
                <label for="Titulo">Titulo:</label>
              <input class="form-control" type="text" name="Titulo" size="10"
     maxlength="9"  value="<?php echo $row[2]; ?>" placeholder="Introduza titulo..." />
            </div>

            <div class="form-group">
                <label for="Texto">Texto:</label>
                <textarea class="form-control" rows="10" name="Texto"> <?php
                  echo $row[3]; ?></textarea>
            </div>

            <div class="form-group">
                <label for="Autor">Autor:</label>
                <input class="form-control" type="text" name="Autor" size="50"
          value="<?php echo $row[4]; ?>" placeholder="Introduza autor..." />
            </div>

                <input class="btn btn-success" type="submit" name="Alterar"
                  value="Alterar" />
          </div>

        </form>
    </div>
  </main>

  <?php include "../includes/footer.inc.php"; ?>

</body>
</html>
```

admin/logout.php

```php
<?php
    session_start();

    if(session_destroy()) {
        header("Location: login.php");
    }
?>
```