

Sistema de Informação e Base de Dados

Assignment 3 – Using the Database

Year 2019/2020

Group 60

Work done by:

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```
C:\Users\franc\OneDrive\Área de Trabalho\projetoSBD\appointment_match_1.php - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
projectbd.sql client_search_1.php desc_1.php new_appointment_1.php appointment_match_1.php appointment_info_2.php appointment_spec_2.php add_information_2.php database_change_2.php

1 <html>
2 <body>
3 <?php
4 $host = "db.tecnico.ulisboa.pt";
5 $user = "ist197236";
6 $pass = "trpc5961";
7 $dsn = "mysql:host=$host;dbname=$user";
8 try
9 {
10 $connection = new PDO($dsn, $user, $pass);
11 }
12 catch(PDOException $exception)
13 {
14 echo("<p>Error: ");
15 echo($exception->getMessage());
16 echo("</p>");
17 exit();
18 }
19 $name = $_REQUEST['nome'];
20 $numero = $_REQUEST['VAT'];
21 $data = $_REQUEST['time'];
22 if ($data == null)
23 {
24 echo("<p>Error: No date ");
25 echo("</p>");
26 }
27 else
28 {
29 $sql = "SELECT name, VAT FROM client WHERE name='$name' AND VAT='$numero'";
30 echo("<p>$sql</p>");
31 $result = $connection->query($sql);
32 $rows = $result->rowCount();
33 if ($rows == 0)
34 {
35 echo("<p>Not registered.</p>");
36 $sql1 = "INSERT INTO client (VAT, name) VALUES ('$numero','$name')";
37 $result1 = $connection->exec($sql1);
38 echo("<p>$sql1</p>");
39 echo("<p>$result1</p>");
40 }
41 else
42 {
43 echo("<table border='1'\>");
44 echo("<tr><td>VAT</td><td>name</td><td>INFO</td></tr>");
45 foreach($result as $row)
46 {
47 $VAT_client = $row['VAT'];
48 $name = $row['name'];
49 echo("<tr><td>");
50 echo($row['VAT']);
51 echo("</td>");
52 echo("<td>");
53 echo($row['name']);
54 echo("</td>");
55 echo("<td><a href='\"appointment_info_2.php?VAT_client=$numero\"'>");
56 echo("</td>Appointments INFO</td></tr>");
57 }
58 echo("</table>");
59 }
60 }
61
62 $sql2 = "SELECT * FROM doctor WHERE VAT NOT IN (SELECT VAT_Doctor FROM appointment WHERE date_timestamp = '$data')";
63 echo("<p>$sql2</p>");
64 $result2 = $connection->query($sql2);
65
66 echo("<table border='1'\>");
67 echo("<tr><td>VAT</td><td>appointment</td></tr>");
68 foreach($result2 as $row)
69 {
70 $doctor = $row['VAT'];
71 echo("<tr><td>");
72 echo($row['VAT']);
73 echo("</td>");
74 echo("<td><a href='\"desc_1.php?VAT_Doctor=$doctor&VAT_client=$numero&date_timestamp=$data\"'>");
75 echo("</td>New appointment</td></tr>");
76 }
77 echo("</table>");
78 }
79 }
80

C:\Users\franc\OneDrive\Área de Trabalho\projetoSBD\client_search_1.php - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?
projectbd.sql client_search_1.php desc_1.php new_appointment_1.php appointment_match_1.php appointment_info_2.php appointment_spec_2.php add_information_2.php database_change_2.php client_search_2.php database_change_3.php

1 <html>
2 <body>
3 <form action="appointment_match_1.php" method="post">
4 <h3>Search for a client</h3>
5 <p>Name: <input type="text" name="nome"/></p>
6 <p>VAT: <input type="text" name="VAT"/></p>
7 <p>Appointment: <input type="text" name="time"/></p>
8 <p><input type="submit" value="Submit"/></p>
9 </form>
10 </body>
11 </html>
12
13
14
```

```
projectbd.sql client_search_1.php desc_1.php new_appointment_1.php appointment_match_1.php appoin
1 <html>
2 <body>
3 <h3>Description</h3>
4 <form action="new_appointment_1.php" method="post">
5 <p><input type="hidden" name="VAT_Doctor"
6 value="<?=$_REQUEST['VAT_Doctor']?>"/></p>
7 <p><input type="hidden" name="VAT_client"
8 value="<?=$_REQUEST['VAT_client']?>"/></p>
9 <p><input type="hidden" name="date_timestamp"
10 value="<?=$_REQUEST['date_timestamp']?>"/></p>
11 <p>Add a description: <input type="text" name="desc"/></p>
12 <p><input type="submit" value="Submit"/></p>
13 </form>
14 </body>
15 </html>
16
```

```
projectbd.sql client_search_1.php desc_1.php new_appointment_1.php appointment_match_1.php appointment_info_2.php appointment_app_2.php add_information_2.php database_change_2.php dental_charing_3.php database_change_3.php
1 <html>
2 <body>
3 <form action="add_information_2.php" method="post">
4 <input type="hidden" name="VAT_Doctor"
5 value="<?=$_REQUEST['VAT_Doctor']?>"/></p>
6 <input type="hidden" name="date_timestamp"
7 value="<?=$_REQUEST['date_timestamp']?>"/></p>
8 <?php
9 $host = "db.tecnico.ulisboa.pt";
10 $user = "ist19736";
11 $pass = "kpe9861";
12 $dsn = "mysql:host=$host;dbname=$user";
13 try
14 {
15 $connection = new PDO($dsn, $user, $pass);
16 }
17 catch(PDOException $exception)
18 {
19 echo("Error: ");
20 echo($exception->getMessage());
21 echo("<br/>");
22 exit();
23 }
24 $desc = $_REQUEST['desc'];
25 $data = $_REQUEST['date_timestamp'];
26 $VAT_Doctor = $_REQUEST['VAT_Doctor'];
27 $VAT_client = $_REQUEST['VAT_client'];
28 echo("<p>$VAT_client</p>");
29 $sql = "INSERT INTO appointment (VAT_doctor, date_timestamp, description, VAT_client) VALUES ('$VAT_Doctor','$data','$desc','$VAT_client')";
30 echo("<p>$sql</p>");
31 $result = $connection->exec($sql);
32 echo("<p>$result</p>");
33 $connection = null;
34 }
35 <p><input type="submit" value="ADD INFO"/></p>
36 </form>
37 </body>
38 </html>
39
```

```
projectbd.sql client_search_1.php desc_1.php new_appointment_1.php appointment_match_1.php appointment_info_2.php appointment_app_2.php add_information_2.php database_change_2.php dental_charing_3.php database_change_3.php
1 <html>
2 <body>
3 <form action="database_change_2.php" method="post">
4 <input type="hidden" name="VAT_Doctor"
5 value="<?=$_REQUEST['VAT_Doctor']?>"/></p>
6 <input type="hidden" name="date_timestamp"
7 value="<?=$_REQUEST['date_timestamp']?>"/></p>
8 <h3>Insert information</h3>
9 <h3>Assistant</h3>
10 <p>Nurse: <input type="text" name="VAT_Nurse"/></p>
11 <h3>Consultation</h3>
12 <p>SOAP_S: <input type="text" name="SOAP_S"/></p>
13 <p>SOAP_O: <input type="text" name="SOAP_O"/></p>
14 <p>SOAP_A: <input type="text" name="SOAP_A"/></p>
15 <p>SOAP_P: <input type="text" name="SOAP_P"/></p>
16 <h3>Diagnostic</h3>
17 <p>ID: <input type="text" name="ID"/></p>
18 <h3>Prescription</h3>
19 <p>Name: <input type="text" name="prescription_name"/></p>
20 <p>Lab: <input type="text" name="lab"/></p>
21 <p>Dosage: <input type="text" name="dosage"/></p>
22 <p>Description: <input type="text" name="description"/></p>
23 <p><input type="submit" value="Submit"/></p>
24 </form>
25 </body>
26 </html>
27
```

```

1 <html>
2 <body>
3 <?php
4 $host = "db.tecnico.ulisboa.pt";
5 $user = "ist197236";
6 $pass = "krpc5961";
7 $dsn = "mysql:host=$host;dbname=$user";
8 try
9 {
10     $connection = new PDO($dsn, $user, $pass);
11 }
12 catch(PDOException $exception)
13 {
14     echo("<p>Error: ");
15     echo($exception->getMessage());
16     echo("</p>");
17     exit();
18 }
19 $name = $_REQUEST['VAT_client'];
20 echo("<p>$name</p>");
21 $sql = "SELECT * FROM appointments WHERE VAT_client = $name";
22 $result = $connection->query($sql);
23 echo("<p>$sql</p>");
24 $rows = $result->rowCount();
25 if ($rows == 0)
26 {
27     echo("<p>NO APPOINTMENT</p>");
28     echo("<td><a href='\"appointment_match_1.php\"'>");
29 }
30 else
31 {
32     echo("<table border='\"1\"'>");
33     echo("<tr><td>date</td><td>INFO</td></tr>");
34     foreach($result as $row)
35     {
36         echo("<tr><td>");
37         echo($row['date_timestamp']);
38         echo("<td><a href='\"appointment_spec_2.php?date_timestamp='\"$row[date_timestamp]\"'&VAT_doctor='\"$row[VAT_doctor]\"'&VAT_client='\"$name\"'>");
39         echo("</td>");
40         echo("</tr></td></td></tr>");
41     }
42     echo("</table>");
43 }
44 $connection = null;
45 }
46 </body>
47 </html>

```

C:\Users\franc\OneDrive\Área de Trabalho\projetoSIBD\appointment_spec_2.php - Notepad++

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```
1 <html>
2 <body>
3 <?php
4 $host = "db.tecnico.ulisboa.pt";
5 $user = "ist197236";
6 $pass = "krpc5961";
7 $dsn = "mysql:host=$host;dbname=$user";
8 try
9 {
10 $connection = new PDO($dsn, $user, $pass);
11 }
12 catch(PDOException $exception)
13 {
14 echo("<p>Error: ");
15 echo($exception->getMessage());
16 echo("</p>");
17 exit();
18 }
19 $VAT_client = $_REQUEST['VAT_client'];
20 echo("<p>$VAT_client</p>");
21 $data = $_REQUEST['date_timestamp'];
22 $sql = "SELECT * FROM appointment WHERE VAT_client = $VAT_client AND date_timestamp = $data";
23 $result = $connection->query($sql);
24 echo("<p>$sql</p>");
25 echo("<table border='1'>");
26 echo("<tr><td>VAT doctor</td><td>date</td><td>Description</td><td>VAT client</td></tr>");
27 foreach($result as $row)
28 {
29 echo("<tr><td>");
30 $doctor = $row['VAT_doctor'];
31 echo("<tr><td>");
32 echo("</td><td>");
33 echo("<tr><td>");
34 echo("</td><td>");
35 echo("<tr><td>");
36 echo("</td><td>");
37 echo("<tr><td>");
38 echo("</td><td>");
39 }
40 echo("</table>");
41 $doctor = $_REQUEST['VAT_doctor'];
42 $sql1 = "SELECT * FROM consultation WHERE VAT_doctor = $doctor AND date_timestamp = $data";
43 $result1 = $connection->query($sql1);
44 echo("<p>$sql1</p>");
45 echo("<table border='1'>");
46 echo("<tr><td>VAT doctor</td><td>date</td><td>SOAP_S</td><td>SOAP_O</td><td>SOAP_A</td><td>SOAP_P</td></tr>");
47 foreach($result1 as $row)
48 {
49 echo("<tr><td>");
50 $doctor = $row['VAT_doctor'];
51 echo("<tr><td>");
52 echo("</td><td>");
53 echo("<tr><td>");
54 echo("</td><td>");
55 echo("<tr><td>");
56 echo("</td><td>");
57 echo("<tr><td>");
58 echo("</td><td>");
59 echo("<tr><td>");
60 echo("</td><td>");
61 echo("<tr><td>");
62 echo("</td><td>");
63 }
64 echo("</table>");
65 $connection = null;
66 ?>
67 </body>
68 </html>
69
```

```

1 <html>
2 <body>
3 <?php
4 $host = "db.tecnico.ulisboa.pt";
5 $user = "ist197236";
6 $pass = "krpc5961";
7 $dsn = "mysql:host=$host;dbname=$user";
8 try
9 {
10     $connection = new PDO($dsn, $user, $pass);
11 }
12 catch(PDOException $exception)
13 {
14     echo("<p>Error: ");
15     echo($exception->getMessage());
16     echo("</p>");
17     exit();
18 }
19 $VAT_Doctor = $_REQUEST['VAT_Doctor'];
20 $date_timestamp = $_REQUEST['date_timestamp'];
21 $VAT_nurse = $_REQUEST['VAT_Nurse'];
22 echo("<p>$date_timestamp</p>");
23 $SOAP_S = $_REQUEST['SOAP_S'];
24 $SOAP_O = $_REQUEST['SOAP_O'];
25 $SOAP_A = $_REQUEST['SOAP_A'];
26 $SOAP_P = $_REQUEST['SOAP_P'];
27
28 $ID = $_REQUEST['ID'];
29
30 $name = $_REQUEST['prescription_name'];
31 $lab = $_REQUEST['lab'];
32 $description = $_REQUEST['description'];
33 $sql1 = "INSERT INTO consultation_assistant VALUES ('$VAT_Doctor', '$date_timestamp', '$VAT_nurse')";
34 $sql2 = "INSERT INTO consultation VALUES ('$VAT_Doctor', '$date_timestamp', '$SOAP_S', '$SOAP_O', '$SOAP_A', '$SOAP_P')";
35 $sql3 = "INSERT INTO consultation_diagnostic VALUES ('$VAT_Doctor', '$date_timestamp', '$ID')";
36 $sql4 = "INSERT INTO prescription VALUES ('$name', '$lab', '$VAT_Doctor', '$date_timestamp', '$ID', '$description')";
37 echo("<p>$sql1</p>");
38 $result1 = $connection->exec($sql1);
39 echo("<p>$result1</p>");
40 echo("<p>$sql2</p>");
41 $result2 = $connection->exec($sql2);
42 echo("<p>$result2</p>");
43 echo("<p>$sql3</p>");
44 $result3 = $connection->exec($sql3);
45 echo("<p>$result3</p>");
46 echo("<p>$sql4</p>");
47 $result4 = $connection->exec($sql4);
48 echo("<p>$result4</p>");
49 $dc = 'Dental Charting';
50 if ($name == $dc)
51 {
52     echo("<a href='dental_charting_3.php?name=$name&VAT_doctor=$VAT_Doctor&date_timestamp=$date_timestamp'>");
53     echo("<br>ADD INFO </a>\n");
54     echo("<p>$SOAP_S</p>");
55     echo("<p>$SOAP_O</p>");
56     echo("<p>$SOAP_A</p>");
57     echo("<p>$SOAP_P</p>");
58     echo("<p>$ID</p>");
59     echo("<p>$name</p>");
60     echo("<p>$lab</p>");
61     echo("<p>$description</p>");
62 }
63 else
64 {
65     echo("<p>$SOAP_S</p>");
66     echo("<p>$SOAP_O</p>");
67     echo("<p>$SOAP_A</p>");
68     echo("<p>$SOAP_P</p>");
69     echo("<p>$ID</p>");
70     echo("<p>$name</p>");
71     echo("<p>$lab</p>");
72     echo("<p>$description</p>");
73 }
74 $connection = null;
75
76 <?>
77 </body>
78 </html>

```

```

1 <html>
2 <body>
3 <?php
4 $host = "db.tecnico.ulisboa.pt";
5 $user = "ist197236";
6 $pass = "krpc5961";
7 $dsn = "mysql:host=$host;dbname=$user";
8 try
9 {
10     $connection = new PDO($dsn, $user, $pass);
11 }
12 catch(PDOException $exception)
13 {
14     echo("<p>Error: ");
15     echo($exception->getMessage());
16     echo("</p>");
17     exit();
18 }
19 $VAT_Doctor = $_REQUEST['VAT_Doctor'];
20 $date_timestamp = $_REQUEST['date_timestamp'];
21 $name = $_REQUEST['name'];
22 $quadrant = $_REQUEST['quadrant'];
23 $num = $_REQUEST['num'];
24 $description = $_REQUEST['description'];
25 $measure = $_REQUEST['measure'];
26
27 $sql = "INSERT INTO procedure_charting VALUES ('$name', '$VAT_Doctor', '$date_timestamp', '$quadrant', '$num', '$description', '$measure')";
28 echo("<p>$sql</p>");
29 $result = $connection->exec($sql);
30 echo("<p>$result</p>");
31 echo("<p>$NEW DENTAL CHARTING PROCEDURE DONE</p>");
32 $connection = null;
33
34 <?>
35 </body>
36 </html>
37

```

```
1 <html>
2 <body>
3 <form action="database_change_3.php" method="post">
4 <input type="input" name="VAT_Doctor"
5 value="<?=$_REQUEST['VAT_Doctor']?>" /></p>
6 <input type="hidden" name="date_timestamp"
7 value="<?=$_REQUEST['date_timestamp']?>" /></p>
8 <input type="hidden" name="name"
9 value="<?=$_REQUEST['name']?>" /></p>
10 <div>Consultation</div>
11 <p>Quadrant.: <input type="text" name="quadrant"/></p>
12 <p>Number.: <input type="number" name="num"/></p>
13 <p>Description.: <input type="text" name="description"/></p>
14 <p>Measure.: <input type="text" name="measure"/></p>
15 <input type="submit" value="Submit"/></p>
16 </form>
17 </body>
18 </html>
19
```

#CODE

URL: http://web.ist.utl.pt/ist197236/client_search_1.php

cliente_search_1.php

```
<html>
<body>
<form action="appointment_match_1.php" method="post">
<h3>Search for a client</h3>
<p>Name.: <input type="text" name="nome"/></p>
<p>VAT.: <input type="text" name="VAT"/></p>
<p>Appointment.: <input type="timestamp" name="timee"/></p>
<p><input type="submit" value="Submit"/></p>
</form>
</body>
</html>
```

appointment_match_1.php

```
<html>
<body>
<?php
$host = "db.tecnico.ulisboa.pt";
$user = "ist197236";
$pass = "krpc5961";
$dsn = "mysql:host=$host;dbname=$user";
try
{
$connection = new PDO($dsn, $user, $pass);
```



```

}

catch(PDOException $exception)
{
    echo("<p>Error: ");
    echo($exception->getMessage());
    echo("</p>");
    exit();
}

$name = $_REQUEST['nome'];
$numero = $_REQUEST['VAT'];
$data = $_REQUEST['timee'];
if ($data == null)
{
    echo("<p>Error: No date ");
    echo("</p>");
}
else
{
    $sql = "SELECT name, VAT FROM client WHERE name='$name' AND VAT='$numero'";
    echo("<p>$sql</p>");
    $result = $connection->query($sql);
    $nrows = $result->rowCount();
    if ($nrows == 0)
    {
        echo("<p>Not registered.</p>");
        $sql1 = "INSERT INTO client (VAT, name) VALUES ('$numero','$name')";
        $result1 = $connection->exec($sql1);
        echo("<p>$sql1</p>");
    }
}

```

```

echo("<p>$result1</p>");
}
else
{
echo("<table border=\"1\">");
echo("<tr><td>VAT</td><td>name</td><td>INFO</td></tr>");
foreach($result as $row)
{
$VAT_client = $row['VAT'];
$nome = $row['name'];
echo("<tr><td>");
echo($row['VAT']);
echo("</td>");
echo("<td>");
echo($row['name']);
echo("</td>");
echo("<td><a href=\"appointment_info_2.php?VAT_client='$numero'\">");
echo(">Appointments INFO</a></td>\n");
echo("</tr>");
}
echo("</table>");
}

```

```

$sql2 = "SELECT * FROM doctor WHERE VAT NOT IN (SELECT VAT_Doctor FROM
appointment WHERE date_timestamp = '$data')";
echo("<p>$sql2</p>");
$result2 = $connection->query($sql2);

```

```

echo("<table border=\"1\">");
echo("<tr><td>VAT</td><td>appointment</td></tr>");
foreach($result2 as $row)
{
    $doctor = $row['VAT'];
    echo("<tr><td>");
    echo($row['VAT']);
    echo("</td>");
    echo("<td><a
href=\"desc_1.php?VAT_Doctor=$doctor&VAT_client=$numero&date_timestamp=$data
ta\">");
    echo(">New appointment</a></td>\n");
    echo("</tr>");
}
echo("</table>");
}

$connection = null;

?>

</body>

</html>

```

desc_1.php

```

<html>
<body>
<h3>Description</h3>
<form action="new_appointment_1.php" method="post">
<p><input type="hidden" name="VAT_Doctor"

```

```

value="<?=$_REQUEST['VAT_Doctor']?>"/></p>
<p><input type="hidden" name="VAT_client"
value="<?=$_REQUEST['VAT_client']?>"/></p>
<p><input type="hidden" name="date_timestamp"
value="<?=$_REQUEST['date_timestamp']?>"/></p>
<p>Add a description: <input type="text" name="desc"/></p>
<p><input type="submit" value="Submit"/></p>
</form>
</body>
</html>

```

new_appointment_1.php

```

<html>
<body>
<form action="add_information_2.php" method="post">
<p><input type="hidden" name="VAT_Doctor"
value="<?=$_REQUEST['VAT_Doctor']?>"/></p>
<p><input type="hidden" name="date_timestamp"
value="<?=$_REQUEST['date_timestamp']?>"/></p>
<?php
$host = "db.tecnico.ulisboa.pt";
$user = "ist197236";
$pass = "krpc5961";
$dsn = "mysql:host=$host;dbname=$user";
try
{
$connection = new PDO($dsn, $user, $pass);

```

```

}

catch(PDOException $exception)
{
    echo("<p>Error: ");
    echo($exception->getMessage());
    echo("</p>");
    exit();
}

$desc = $_REQUEST['desc'];
$data = $_REQUEST['date_timestamp'];
$VAT_Doctor = $_REQUEST['VAT_Doctor'];
$VAT_client = $_REQUEST['VAT_client'];
echo("<p>$VAT_client</p>");

$sql = "INSERT INTO appointment (VAT_doctor, date_timestamp, description,
VAT_client) VALUES ('$VAT_Doctor','$data','$desc','$VAT_client')";

echo("<p>$sql</p>");

$result = $connection->exec($sql);

echo("<p>$result</p>");

$connection = null;

?>

<p><input type="submit" value="ADD INFO"/></p>

</form>

</body>

</html>

```

add_information_2.php

```
<html>

<body>

<form action="database_change_2.php" method="post">

  <p><input type="hidden" name="VAT_Doctor"
value="<?=$_REQUEST['VAT_Doctor']?>" /></p>

  <p><input type="hidden" name="date_timestamp"
value="<?=$_REQUEST['date_timestamp']?>" /></p>

  <h2>Insert information</h2>

  <h3>Assistant</h3>

  <p>Nurse.: <input type="text" name="VAT_Nurse" /></p>

  <h3>Consultation</h3>

  <p>SOAP_S.: <input type="text" name="SOAP_S" /></p>

  <p>SOAP_O.: <input type="text" name="SOAP_O" /></p>

  <p>SOAP_A.: <input type="text" name="SOAP_A" /></p>

  <p>SOAP_P.: <input type="text" name="SOAP_P" /></p>

  <h3>Diagnostic</h3>

  <p>ID.: <input type="text" name="ID" /></p>

  <h3>Prescription</h3>

  <p>Name.: <input type="text" name="prescription_name" /></p>

  <p>Lab.: <input type="text" name="lab" /></p>

  <p>Dosage.: <input type="text" name="dosage" /></p>

  <p>Description.: <input type="text" name="description" /></p>

  <p><input type="submit" value="Submit" /></p>

</form>

</body>

</html>
```

database_change_2.php

```
<html>

<body>

<?php

$host = "db.tecnico.ulisboa.pt";

$user = "ist197236";

$pass = "krpc5961";

$dsn = "mysql:host=$host;dbname=$user";

try

{

$connection = new PDO($dsn, $user, $pass);

}

catch(PDOException $exception)

{

echo("<p>Error: ");

echo($exception->getMessage());

echo("</p>");

exit();

}

$VAT_Doctor = $_REQUEST['VAT_Doctor'];

$date_timestamp = $_REQUEST['date_timestamp'];

$VAT_nurse = $_REQUEST['VAT_Nurse'];

echo("<p>$date_timestampp</p>");

$SOAP_S = $_REQUEST['SOAP_S'];

$SOAP_O = $_REQUEST['SOAP_O'];

$SOAP_A = $_REQUEST['SOAP_A'];

$SOAP_P = $_REQUEST['SOAP_P'];
```

```

$ID = $_REQUEST['ID'];

$name = $_REQUEST['prescription_name'];
$lab = $_REQUEST['lab'];
$description = $_REQUEST['description'];

$sql1 = "INSERT INTO consultation_assistant VALUES
('$VAT_Doctor','$date_timestamp','$VAT_nurse')";

$sql2 = "INSERT INTO consultation VALUES ('$VAT_Doctor', $date_timestamp,
'$SOAP_S', '$SOAP_O', '$SOAP_A', '$SOAP_P')";

$sql3 = "INSERT INTO consultation_diagnostic VALUES ('$VAT_Doctor',
'$date_timestamp', '$ID')";

$sql4 = "INSERT INTO prescription VALUES ('$name', '$lab', '$VAT_Doctor',
'$date_timestamp', '$ID', '$description')";

echo("<p>$sql1</p>");

$result1 = $connection->exec($sql1);

echo("<p>$result1</p>");

echo("<p>$sql2</p>");

$result2= $connection->exec($sql2);

echo("<p>$result2</p>");

echo("<p>$sql3</p>");

$result3 = $connection->exec($sql3);

echo("<p>$result3</p>");

echo("<p>$sql4</p>");

$result4= $connection->exec($sql4);

echo("<p>$result4</p>");

$dc = 'Dental Charting';

if ($name == $dc)
{

```



```

        echo("<a
href=\"dental_charting_3.php?name=$name&VAT_doctor=$VAT_Doctor&date_timest
amp=$date_timestamp\"");

        echo("\>ADD INFO </a>\n");

        echo("<p>$SOAP_S</p>");

        echo("<p>$SOAP_O</p>");

        echo("<p>$SOAP_A</p>");

        echo("<p>$SOAP_P</p>");

        echo("<p>$ID</p>");

        echo("<p>$name</p>");

        echo("<p>$lab</p>");

        echo("<p>$description</p>");

    }

    else

    {

        echo("<p>$SOAP_S</p>");

        echo("<p>$SOAP_O</p>");

        echo("<p>$SOAP_A</p>");

        echo("<p>$SOAP_P</p>");

        echo("<p>$ID</p>");

        echo("<p>$name</p>");

        echo("<p>$lab</p>");

        echo("<p>$description</p>");

    }

    $connection = null;

?>

</body>

</html>

```

dental_charting_3.php

```
<html>

<body>

<form action="database_change_3.php" method="post">

  <p><input type="input" name="VAT_Doctor"
value="<?=$_REQUEST['VAT_doctor']?>" /></p>

  <p><input type="hidden" name="date_timestamp"
value="<?=$_REQUEST['date_timestamp']?>" /></p>

  <p><input type="hidden" name="name"
value="<?=$_REQUEST['name']?>" /></p>

  <h3>Consultation</h3>

  <p>Quadrant.: <input type="text" name="quadrant" /></p>

  <p>Number.: <input type="number" name="num" /></p>

  <p>Description.: <input type="text" name="description" /></p>

  <p>Measure.: <input type="text" name="measure" /></p>

  <p><input type="submit" value="Submit" /></p>

</form>

</body>

</html>
```

database_change_3.php

```
<html>

<body>

<?php

$host = "db.tecnico.ulisboa.pt";

$user = "ist197236";

$pass = "krpc5961";

$dsn = "mysql:host=$host;dbname=$user";

try

{

    $connection = new PDO($dsn, $user, $pass);

}

catch(PDOException $exception)

{

    echo("<p>Error: ");

    echo($exception->getMessage());

    echo("</p>");

    exit();

}

$VAT_Doctor = $_REQUEST['VAT_Doctor'];

$date_timestamp = $_REQUEST['date_timestamp'];

$name = $_REQUEST['name'];

$quadrant = $_REQUEST['quadrant'];

$num = $_REQUEST['num'];

$description = $_REQUEST['description'];

$measure = $_REQUEST['measure'];
```

```

$sql = "INSERT INTO procedure_charting VALUES
('$name',$VAT_Doctor,$date_timestamp,$quadrant,$num,$description,$measure
)";

echo("<p>$sql</p>");

$result = $connection->exec($sql);

echo("<p>$result</p>");

echo("<p>$NEW DENTAL CHARTING PROCEDURE DONE</p>");

$connection = null;

?>

</body>

</html>

```

appointment_info_2.php

```

<html>

<body>

<?php

$host = "db.tecnico.ulisboa.pt";

$user = "ist197236";

$pass = "krpc5961";

$dsn = "mysql:host=$host;dbname=$user";

try
{
    $connection = new PDO($dsn, $user, $pass);
}

catch(PDOException $exception)
{
    echo("<p>Error: ");

```

```

echo($exception->getMessage());

echo("</p>");

exit();

}

$name = $_REQUEST['VAT_client'];

echo("<p>$name</p>");

$sql = "SELECT * FROM appointment WHERE VAT_client = $name";

$result = $connection->query($sql);

echo("<p>$sql</p>");

$rows = $result->rowCount();

if ($rows == 0)
{
echo("<p>NO APPOINTMENT</p>");

echo("<td><a href=\"appointment_match_1.php\">");

}

else

{

echo("<table border=\"1\">");

echo("<tr><td>date</td><td>INFO</td></tr>");

foreach($result as $row)

{

echo("<tr><td>");

echo($row['date_timestamp']);

echo("<td><a href=\"appointment_spec_2.php?date_timestamp='$row[date_timestamp]'\&VAT_doctor='$row[VAT_doctor]'\&VAT_client=$name\">");

echo("</td>");

echo("<td>INFO</a></td>\n");

echo("</td></tr>");

```

```
}  
echo("</table>");  
}  
$connection = null;  
?>  
</body>  
</html>
```

appointment_spec_2.php

```
<html>  
<body>  
<?php  
$host = "db.tecnico.ulisboa.pt";  
$user = "ist197236";  
$pass = "krpc5961";  
$dsn = "mysql:host=$host;dbname=$user";  
try  
{  
$connection = new PDO($dsn, $user, $pass);  
}  
catch(PDOException $exception)  
{  
echo("<p>Error: ");  
echo($exception->getMessage());  
echo("</p>");  
exit();  
}
```

```

$VAT_client = $_REQUEST['VAT_client'];

echo("<p>$VAT_client</p>");

$data = $_REQUEST['date_timestamp'];

$sql = "SELECT * FROM appointment WHERE VAT_client = $VAT_client AND
date_timestamp = $data";

$result = $connection->query($sql);

echo("<p>$sql</p>");

echo("<table border='1'>");

echo("<tr><td>VAT doctor</td><td>date</td><td>Description</td><td>VAT
client</td></tr>");

foreach($result as $row)
{
echo("<tr><td>");

$doctor = $row['VAT_doctor'];

echo("{ $row['VAT_doctor']}");

echo("</td><td>");

echo("{ $row['date_timestamp']}");

echo("</td><td>");

echo("{ $row['description']}");

echo("</td><td>");

echo("{ $row['VAT_client']}");

echo("</td></tr>");
}

echo("</table>");

$doctor = $_REQUEST['VAT_doctor'];

$sql1 = "SELECT * FROM consultation WHERE VAT_doctor = $doctor AND
date_timestamp = $data";

$result1 = $connection->query($sql1);

echo("<p>$sql1</p>");

```

```

echo("<table border=\"1\">");

echo("<tr><td>VAT
doctor</td><td>date</td><td>SOAP_S</td><td>SOAP_O</td><td>SOAP_A</td><td>S
OAP_P</td></tr>");

foreach($result1 as $row)
{
echo("<tr><td>");

$doctor = $row['VAT_doctor'];
echo("{ $row['VAT_doctor']}");
echo("</td><td>");
echo("{ $row['date_timestamp']}");
echo("</td><td>");
echo("{ $row['SOAP_S']}");
echo("</td><td>");
echo("{ $row['SOAP_O']}");
echo("</td><td>");
echo("{ $row['SOAP_A']}");
echo("</td><td>");
echo("{ $row['SOAP_P']}");
echo("</td></tr>");
}

echo("</table>");

$connection = null;

?>

</body>

</html>

```


#Triggers

1. create trigger client_age after insert on appointment

```
for each row
begin
    update clients
        if extract (day from current_date)=extract (day from birth_date) and extract(month
from current_date)=extract(month from birth_date) then
            set age=age+1
        end if;
end
```

2. create trigger different_individuals before insert on employee

```
for each row
begin
    SELECT r.VAT,n.VAT,d.VAT FROM doctor d, recepcionist r, nurse n
    if new.VAT=r.VAT or new.VAT=n.VAT then
        if new.VAT=d.VAT then
            RAISERROR ('An individual cannot be a doctor and a nurse/recepcionist.' ,10,1)
            ROLLBACK TRANSACTION
        end if;
    end if;
    if new.VAT=d.VAT then
        if new.VAT=r.VAT or new.VAT=n.VAT then
            RAISERROR ('An individual cannot be a doctor and a nurse/recepcionist.' ,10,1)
            ROLLBACK TRANSACTION
        end if;
    end if;
end
```

```
end if;  
end if;  
end
```

3. create trigger different_phone before insert on phone

```
for each row  
begin  
    SELECT pne.phone FROM doctor d, phone_number_employee pne WHERE  
d.VAT=pne.VAT  
    if new.phone=pne.phone then  
        RAISERROR ('Different individuals cannot have the same phone.',10,1)  
        ROLLBACK TRANSACTION  
    end if;  
    SELECT pnc.phone FROM client c, phone_number_client pnc WHERE c.VAT=pnc.VAT  
    if new.phone=pnc.phone then  
        RAISERROR ('Different individuals cannot have the same phone.',10,1)  
        ROLLBACK TRANSACTION  
    end if;  
end
```

#Function

4. create function no_shows (gender varchar(20), upper_age integer, lower_age integer, yearr integer)
returns integer
begin
 declare c_count integer;

```

SELECT count(c.VAT) into c_count
FROM client c, appointment a, consultation co
WHERE a.VAT_client=c.VAT AND
      c.gender=gender AND c.age between lower_age and upper_age AND
extract(year from a.date_timestamp)=yearr AND
      a.VAT_client NOT IN (SELECT VAT_client
                           FROM appointment natural join consultation)

return c_count
end

```

#Procedure

5. create procedure change_salary (in x integer,out salary numeric(5,2))

```

begin
  update employee
    SELECT count(VAT_doctor) FROM appointment WHERE extract(year from
date_timestamp)=x GROUP BY VAT_doctor
    if count(VAT_doctor)>100 then
      set salary= salary * 1.1
    else
      set salary= salary * 1.05
end

```