# MEDIC KEEPER

An Inventory Manager For Medical Equipments

# 1. Project Description

In this project, a DBMS has been developed to manage the store 'Medic Keeper.' Medic Keeper keeps track of medical equipment used in a hospital. Herein this project, the following 20 items have been enlisted into the MySQL database:

- 1. Ventilators
- 2. Cardiopulmonary bypass device
- 3. Dialysis machine
- 4. Infusion pumps
- 5. LASIK surgical machine
- 6. Medical lasers
- 7. Consult 120 Urine Analyzer
- 8. Urine Reagent Strips 10 Parameter
- 9. Consult Liquid Urine Control
- 10. Plastic urine containers, sterile or unsterile
- 11. Conical centrifuge tube, 15 ml
- 12. Microscope slides and 1 coverslip
- 13. Clinical Centrifuge
- 14. Flow cytometers
- 15. Blood gas analyzers
- 16. Electrolyte analyzers
- 17. Differential counters
- 18. Coagulation analyzers
- 19. Slide strainers
- 20. Magnetic resonance imaging (MRI)

#### List of Software

- 1. Microsoft Visual Studio Code
- 2. XAMPP Server (Apache server and MySQL server)

#### **Programming Languages**

- 1. PHP (Back end)
- 2. HTML and Bootstrap (Front end)

# 2. List Of Queries

The below 2 queries are used to check secure login from the admin using the username and password entered in the login form.

```
Squery = "SELECT * FROM admin WHERE username = 'Susername' AND password = 'Spassword'";
$query = "SELECT * FROM admin WHERE username = '$admin'";
$query = "SELECT id FROM stocks ORDER BY ID DESC LIMIT 1";
$Query = "INSERT INTO `stocks`(`id`, `equipment`, `quantity`, `rate`)
VALUES ($new id, '$equipment', $quantity, $rate)";
$query = "UPDATE stocks SET equipment = '$equipment', quantity =
$quantity', rate = '$rate' WHERE id = $id;";
$query = "SELECT * FROM stocks WHERE 1";
$query = "SELECT buyer id FROM buyers ORDER BY buyer id DESC LIMIT 1";
$Query = "INSERT INTO `buyers`(`buyer id`, `name`, `address`,
 stock id`, `quantity`) VALUES ($new id, '$name', '$addess', $stock id,
$quantity);";
$query = "DELETE FROM `buyers` WHERE buyer id = $id";
$query = "UPDATE buyers SET name = '$name', quantity = '$quantity',
address = '$address', stock id = $stock id WHERE buyer id = $id;";
$query = "SELECT customer id FROM customers ORDER BY customer id DESC
LIMIT 1";
$Query = "INSERT INTO `customers`(`customer_id`, `name`, `address`,
|$addess', '$telephone', $quantity, $stock id);";
$query = "SELECT * FROM customers WHERE 1";
$query = "DELETE FROM `customers` WHERE customer id = $id";
$query = "UPDATE `customers` SET
name`='$name',`address`='$address',`telephone`='$telephone',`quantity`
= $quantity, `stock id`= $stock id WHERE customer id = $id;";
$query = "SELECT * FROM `profit table` WHERE 1;";
$Query = "INSERT INTO `profit table`(`stock id`, `bought`, `sold`,
profit`) VALUES ($stock id, $bought, $sold, $profit)";
$query = "SELECT * FROM `stocks` WHERE quantity <= $qty;";</pre>
$Query1 = "DELETE FROM `customer pending amount` WHERE customer id =
$cust id;";
```

```
$Query1 = "INSERT INTO `customer_pending_amount`(`customer_id`,
   `billed_amount`, `paid_amount`, `balance`) VALUES ($customer_id,
   $billed_amount, $paid_amount, $balance);";

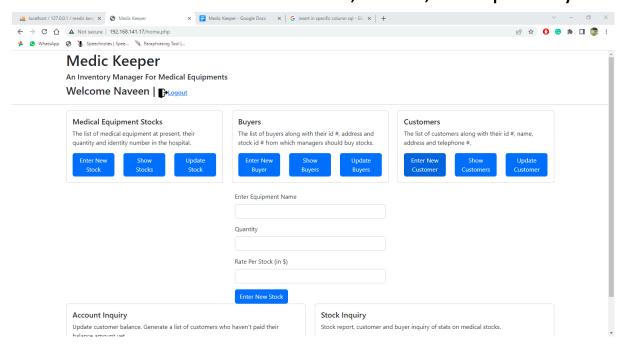
$query = "SELECT * FROM `customer_pending_amount` WHERE balance != 0;";

$Query = "SELECT `name` FROM `customers` WHERE customer_id = $id;";

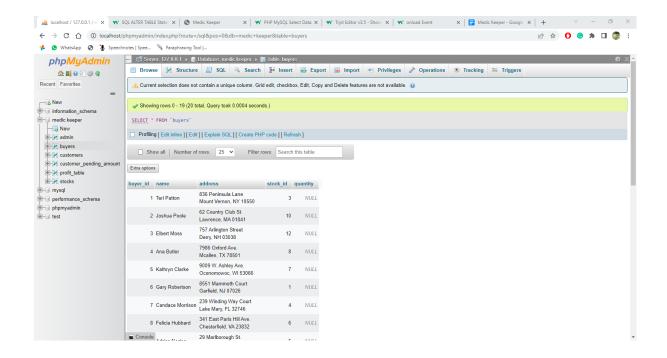
$query = "SELECT * FROM `customer_pending_amount` WHERE balance = 0;";

$Query = "SELECT `name` FROM `customers` WHERE customer_id = $id;";
```

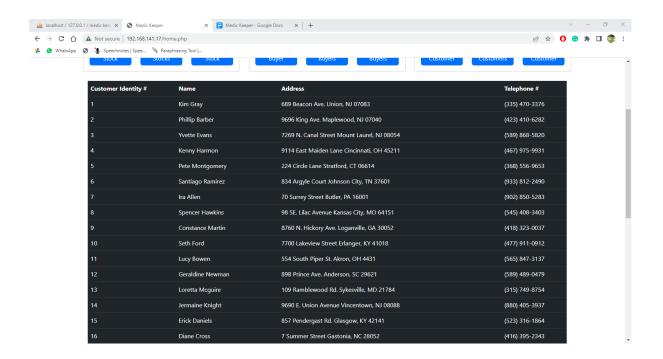
Print screen of the interface (Java or PHP) used to enter new details of stock like their id, name, and quantity.



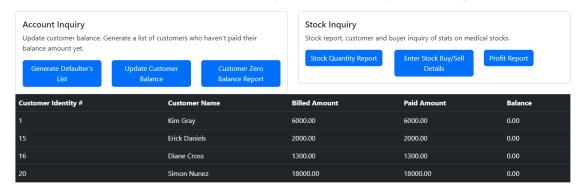
Print screen of the interface (Java or PHP)used to enter the details of buyers from which the manager has to buy the stock like buyer id, name, address, stock id to be bought. Include 20 names in your DB



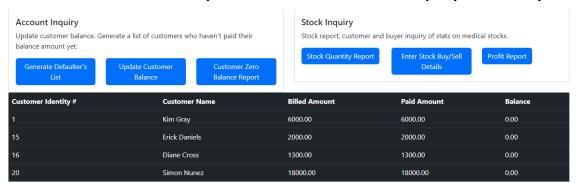
Print screen of the table content Maintaining the details of the customer's name, address, telephone number and id.



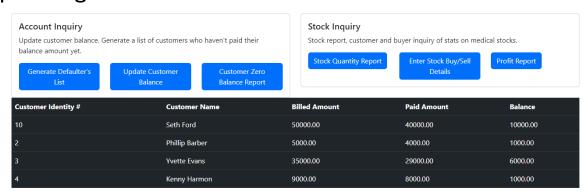
Screenshot of a report with the Defaulter's list of customers who have not paid their pending amount.



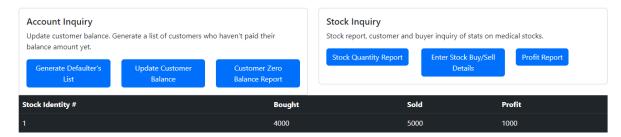
Prints screen of a report with the List of payments paid



Print screen of a report with the List of payments pending.



Print screen of a report with the Profit calculation for a month.



### Code

## index.php

```
include("config.php");
session start();
!DOCTYPE html>
Chtml lang="en">
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.3/dist/css/bootstrap.m
in.css" rel="stylesheet"
integrity="sha384-rbsA2VBKQhggwzxH7pPCaAqO46MgnOM80zW1RWuH61DGLwZJEdK2K
adq2F9CUG65" crossorigin="anonymous">
    <title>Medic Keeper</title>
    <div class="container">
        <h1>Medic Keeper</h1>
        <h5>An Inventory Manager For Medical Equipments </h5>
        <div class="container col-4">
                <div class="mb-3">
                    <label class="form-label">Username</label>
```

```
<input type="text" class="form-control"</pre>
name="username">
                <div class="mb-3">
class="form-label">Password</label>
                    <input type="password" class="form-control"</pre>
name="password">
                <button type="submit" class="btn btn-primary"</pre>
name="login">Login</button>
                    $username = $ POST['username'];
                    $password = $ POST['password'];
                    $query = "SELECT * FROM admin WHERE username =
 $username' AND password = '$password'";
                    $data = mysqli query($conn, $query);
                    $rows = mysqli num rows($data);
                    if(srows == 1)
                        header('location:home.php');
                        $ SESSION['admin'] = $username;
src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.3/dist/js/bootstrap.bun
integrity="sha384-kenU1KFdBIe4zVF0s0G1M5b4hcpxyD9F7jL+jjXkk+Q2h455rYXK/
7HAuoJl+0I4" crossorigin="anonymous"></script>
```

After successful login, the user is redirected to below page:

## home.php

```
include("config.php");
session_start();
$admin = $ SESSION['admin'];
$query = "SELECT * FROM admin WHERE username = '$admin'";
$data = mysqli query($conn, $query);
$rows = mysqli num rows($data);
if($rows == 0)
   header('location:index.php');
!DOCTYPE html>
Chtml lang="en">
   <meta charset="UTF-8">
   <meta http-equiv="X-UA-Compatible" content="IE=edge">
initial-scale=1.0">
href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.3/dist/css/bootstrap.m
in.css" rel="stylesheet"
integrity="sha384-rbsA2VBKQhggwzxH7pPCaAqO46MgnOM80zW1RWuH61DGLwZJEdK2K
adq2F9CUG65" crossorigin="anonymous">
    <title>Medic Keeper</title>
    <div class="container">
        <h1>Medic Keeper</h1>
        <h5>An Inventory Manager For Medical Equipments </h5>
        <h3>Welcome <?php echo $ SESSION['admin']; ?> | <a class="fs-6"
href="logout.php"><img src="logout.png" alt="Logout"
width="25px">Logout</a></h3>
```

```
<div class="row">
 <div class="col-sm-4">
   <div class="card">
       <h5 class="card-title">Medical Equipment Stocks</h5>
       The list of medical equipment at present,
their quantity and identity number in the hospital.
       <form action="" method="post">
           <div class="row">
                <div class="col"><button type="submit" class="btn</pre>
btn-primary" name="new stock">Enter New Stock</button></div>
               <div class="col"><button type="submit" class="btn</pre>
btn-primary" name="stocks">Show Stocks</button></div>
               <div class="col"><button type="submit" class="btn</pre>
btn-primary" name="update_stock">Update Stock</button></div>
 <div class="col-sm-4">
   <div class="card">
       <h5 class="card-title">Buyers</h5>
       The list of buyers along with their id #,
address and stock id # from which managers should buy stocks.
        <form action="" method="post">
            <div class="row">
                <div class="col"><button type="submit" class="btn</pre>
btn-primary" name="enter_new_buyer">Enter New Buyer</button></div>
               <div class="col"><button type="submit" class="btn</pre>
btn-primary" name="show_buyers">Show Buyers</button></div>
               <div class="col"><button type="submit" class="btn</pre>
btn-primary" name="update buyer">Update Buyers</button></div>
 <div class="col-sm-4">
   <div class="card">
```

```
<h5 class="card-title">Customers</h5>
       The list of customers along with their id
#, name, address and telephone #. 
       <form action="" method="post">
               <div class="col"><button type="submit" class="btn</pre>
btn-primary" name="enter new customer">Enter New
Customer</button></div>
               <div class="col"><button type="submit" class="btn</pre>
btn-primary" name="show customers">Show Customers</button></div>
               <div class="col"><button type="submit" class="btn</pre>
btn-primary" name="update customer">Update Customer</button></div>
   <div class="container">
       if(isset($ POST['new stock']))
                                <label class='form-label'>Enter
Equipment Name</label>
name='equipment name' required>
class='form-label'>Quantity</label>
class='form-control' name='quantity' required>
                               <label class='form-label'>Rate Per
Stock (in $)</label>
```

```
class='form-control' name='rate' required>
if(isset($ POST['enter new stock']))
           $query = "SELECT id FROM stocks ORDER BY ID DESC LIMIT 1";
           $data = mysqli query($conn, $query);
           while($row = $data->fetch assoc())
               $new id = $row["id"] + 1;
               $equipment = $ POST['equipment name'];
               $quantity = $ POST['quantity'];
               $rate = $ POST['rate'];
               $Query = "INSERT INTO `stocks`(`id`, `equipment`,
 quantity`, `rate`) VALUES ($new id, '$equipment', $quantity, $rate)";
               $Data = mysqli query($conn, $Query);
              if($Data)
                  echo "<div class='container'>New stock added
       if(isset($ POST['update stock']))
Stock</label>
class='form-control' name='stock identity number' placeholder='Enter
Stock identity Number' required>
                          </div>
btn-danger' name='delete stock'>Delete</button>
```

```
</form>
Stock</h5></div>
                                <label class='form-label'>Enter Stock
Identity Number</label>
class='form-control' placeholder='The stock with this id # will be
updated' name='id' required>
Equipment Name</label>
name='equipment name' required>
                            </div>
class='form-label'>Quantity</label>
class='form-control' name='quantity' required>
                                <label class='form-label'>Rate Per
Stock (in $)</label>
class='form-control' name='rate' required>
btn-primary' name='Update stock'>Update Stock</button>
        if(isset($ POST['delete stock']))
            $id = $ POST["stock identity number"];
            $query = "DELETE FROM `stocks` WHERE id = $id";
```

```
if(mysqli query($conn, $query))
number ".$id." has been deleted successfully.</div>";
       if(isset($ POST['Update stock']))
          $id = $ POST["id"];
          $equipment = $_POST["equipment_name"];
          $quantity = $ POST["quantity"];
          $rate = $ POST["rate"];
          $query = "UPDATE stocks SET equipment = '$equipment',
quantity = '$quantity', rate = '$rate' WHERE id = $id;";
          if(mysqli query($conn, $query))
number ".$id." has been updated successfully.</div>";
       if(isset($ POST['stocks']))
          $query = "SELECT * FROM stocks WHERE 1";
          $data = mysqli query($conn, $query);
          $k = 1;
          while($row = $data->fetch assoc())
                  "
                  Quantity
```

```
echo "
                      ". $row["id"]. "
                      ". $row["equipment"]. "
                      ". $row["quantity"]. "
                      ". $row["rate"]. "
          echo "";
       if(isset($ POST['enter new buyer']))
                             <label class='form-label'>Enter Buyer
Name</label>
name='buyer_name' required>
class='form-label'>Address</label>
name='Address' required>
#</label>
class='form-control' name='stock id' required>
                         </div>
Quantity Bought</label>
class='form-control' name='quantity' required>
```

```
btn-primary' name='enter buyer'>Enter New Buyer</button>
       if(isset($ POST['enter buyer']))
            $query = "SELECT buyer id FROM buyers ORDER BY buyer id
            $data = mysqli query($conn, $query);
            while($row = $data->fetch assoc())
                $new id = $row['buyer id'] + 1;
                $addess = $ POST['Address'];
                $stock id = $ POST['stock id'];
                $quantity = $_POST['quantity'];
                $Query = "INSERT INTO `buyers`(`buyer id`, `name`,
address`, `stock id`, `quantity`) VALUES ($new id, '$name', '$addess',
$stock id, $quantity);";
                $Data = mysqli query($conn, $Query);
                if($Data)
                    echo "<div class='container'>New Buyer added
succesfully. New Buyer identity Number is ".$new id.".</div>";
                    echo "Unable to enter new buyer";
            $query = "SELECT * FROM buyers WHERE 1";
            $data = mysqli query($conn, $query);
            $k = 1;
```

```
echo
                "
                $k = 2;
             echo "
                   ". $row["buyer id"]. "
                   ". $row["name"]. "
                   ". $row["address"]. "
                   ". $row["stock id"]. "
      if(isset($ POST['update buyer']))
Buyer</label>
class='form-control' name='buyer id' placeholder='Enter Buyer identity
Number' required>
                       </div>
btn-danger' name='delete buyer'>Delete</button>
```

```
<div class='mb-3'>
Buyer</h5></div>
Identity Number</label>
class='form-control' placeholder='The buyer with this id # will be
updated' name='id' required>
Name</label>
name='name' required>
class='form-label'>Address</label>
name='address' required>
                            </div>
Identity Number</label>
class='form-control' name='stock id' required>
                            </div>
class='form-label'>Quantity</label>
class='form-control' name='quantity' required>
btn-primary' name='Update buyer'>Update Buyer</button>
```

```
if(isset($ POST['delete buyer']))
            $id = $ POST["buyer id"];
            $query = "DELETE FROM `buyers` WHERE buyer id = $id";
            if (mysqli query($conn, $query))
                echo "<div class='container'> Buyer with identity
number ".$id." has been deleted successfully.</div>";
        if(isset($ POST['Update buyer']))
            $id = $ POST["id"];
           $name = $ POST["name"];
            $stock id = $ POST["stock id"];
            $quantity = $ POST["quantity"];
            $query = "UPDATE buyers SET name = '$name', quantity =
$quantity', address = '$address', stock id = $stock id WHERE buyer id
= $id;";
            if(mysqli query($conn, $query))
                echo "<div class='container'> Buyer with identity
number ".$id." has been updated successfully.</div>";
       if(isset($ POST['enter new customer']))
Customer Name</label>
name='customer name' required>
name='address' required>
```

```
</div>
class='form-label'>Telephone</label>
name='telephone' required>
Quantity Sold</label>
class='form-control' name='quantity' required>
#</label>
class='form-control' name='stock id' required>
</form>
       if(isset($ POST['enter customer']))
           $query = "SELECT customer id FROM customers ORDER BY
           $data = mysqli query($conn, $query);
              $new id = $row['customer id'] + 1;
              $name = $ POST['customer name'];
              $addess = $ POST['address'];
              $telephone = $ POST['telephone'];
              $quantity = $ POST['quantity'];
              $Query = "INSERT INTO `customers`(`customer_id`,
($new id, '$name', '$addess', '$telephone', $quantity, $stock id);";
              $Data = mysqli query($conn, $Query);
```

```
echo "<div class='container'>New Customer added
succesfully. New customer identity Number is ".$new id.".</div>";
                  echo "Unable to enter new customer";
       if(isset($_POST['show_customers']))
           $query = "SELECT * FROM customers WHERE 1";
           $data = mysqli query($conn, $query);
           $k = 1;
           while($row = $data->fetch assoc())
               if($k == 1)
               echo
                      ". $row["customer id"]. "
                      ". $row["name"]. "
                      ". $row["telephone"]. "
```

```
if(isset($ POST['update customer']))
Customer</label>
class='form-control' name='customer id' placeholder='Enter Customer
identity Number' required>
btn-danger' name='delete customer'>Delete</button>
Customer</h5></div>
Customer Identity Number</label>
class='form-control' placeholder='The customer with this id # will be
updated' name='id' required>
Name</label>
name='name' required>
class='form-label'>Address</label>
name='address' required>
```

```
</div>
class='form-label'>Telephone</label>
name='telephone' required>
Identity Number</label>
class='form-control' name='stock id' required>
                            </div>
class='form-label'>Quantity</label>
class='form-control' name='quantity' required>
btn-primary' name='Update customer'>Update Customer</button>
        if(isset($ POST['delete customer']))
            $id = $ POST["customer id"];
            $query = "DELETE FROM `customers` WHERE customer id = $id";
            if(mysqli_query($conn, $query))
number ".$id." has been deleted successfully.</div>";
        if(isset($ POST['Update customer']))
            $name = $ POST["name"];
            $telephone = $ POST["telephone"];
            $stock id = $ POST["stock id"];
```

```
$quantity = $_POST["quantity"];
            $query = "UPDATE `customers` SET
name`='$name', `address`='$address', `telephone`='$telephone', `quantity`
= $quantity,`stock id`= $stock id WHERE customer id = $id;";
            if (mysqli query($conn, $query))
number ".$id." has been updated successfully.</div>";
div class="container">
   <div class="row">
   <div class="col-6">
       <div class="card">
            <div class="card-body">
                <h5 class="card-title">Account Inquiry</h5>
                Update customer balance. Generate
a list of customers who haven't paid their balance amount yet.
                <form action="" method="post">
                        <div class="col"><button type="submit"</pre>
class="btn btn-primary" name="customer balance report">Generate
Defaulter's List</button></div>
                       <div class="col"><button type="submit"</pre>
class="btn btn-primary" name="update customer balance">Update Customer
Balance</button></div>
                        <div class="col"><button type="submit"</pre>
class="btn btn-primary" name="zero customer balance">Customer Zero
Balance Report</button></div>
   <div class="col-6">
       <div class="card">
           <div class="card-body">
                <h5 class="card-title">Stock Inquiry</h5>
```

```
Stock report, customer and buyer
inquiry of stats on medical stocks.
               <form action="" method="post">
                  <div class="row">
                      <div class="col"><button type="submit"</pre>
class="btn btn-primary" name="stock quantity report">Stock Quantity
Report</button></div>
                      <div class="col"><button type="submit"</pre>
class="btn btn-primary" name="stock buy sell">Enter Stock Buy/Sell
Details</button></div>
                      <div class="col"><button type="submit"</pre>
class="btn btn-primary" name="profit_report">Profit
Report</button></div>
<div class="container">
   $query = "SELECT * FROM `profit table` WHERE 1;";
   $data = mysqli query($conn, $query);
   $k = 1;
   while($row = $data->fetch assoc())
       echo
           "
           Profit
           $k = 2;
```

```
". $row["stock id"]. "
               ". $row["profit"]. "
   echo "";
if(isset($ POST['stock buy sell']))
               <input type='number' class='form-control'</pre>
name='stock id' required><br>
required><br>
               <label class='form-label'>Sold</label>
required><br>
name='stock exchange'>Submit</button>
   <div>";
   $bought = $ POST['bought'];
```

```
$profit = $sold - $bought;
    $Query = "INSERT INTO `profit table`(`stock id`, `bought`, `sold`,
profit`) VALUES ($stock id, $bought, $sold, $profit)";
    $Data = mysqli query($conn, $Query);
   if($Data)
if(isset($ POST['stock quantity report']))
            <form action=' ' method='post'>
                <label class='form-label'><h5>Threshold
quantity</h5></label>
                <input type='number' class='form-control'</pre>
placeholder='stocks <= this quantity will be reported' name='qty'
required><br>
name='Stock quantity report'>Generate Quantity Report</button>
if(isset($ POST['Stock quantity report']))
    $qty = $ POST['qty'];
    $query = "SELECT * FROM `stocks` WHERE quantity <= $qty;";</pre>
    $data = mysqli query($conn, $query);
    $k = 1;
   while($row = $data->fetch assoc())
        if($k == 1)
```

```
<thead>
          Quantity
      echo "
              ". $row["id"]. "
              ". $row["equipment"]. "
             ". $row["quantity"]. "
             ". $row["rate"]. "
   echo "";
if(isset($ POST['update customer balance']))
   echo "
Number</label>
              <input type='number' class='form-control'</pre>
placeholder='This customer with this id # will be deleted'
name='customer id' required><br>
name='delete customer balance'>Delete Customer</button>
```

```
<br>
Number</label>
name='customer id' required>
name='billed amount' required>
                    <label class='form-label'>Paid Amount</label>
name='paid amount' required>
name='Update customer balance'>Update Customer Balance</button>
   </div> ";
if(isset($ POST['delete customer balance']))
    $cust id = $ POST['customer id'];
   $Query1 = "DELETE FROM `customer pending amount` WHERE customer id
   $Data = mysqli query($conn, $Query1);
   if($Data)
#".$cust id.".</div>";
   $customer id = $ POST['customer id'];
   $billed amount = $ POST['billed amount'];
   $paid amount = $ POST['paid amount'];
   $balance = $billed amount - $paid amount;
    $Query1 = "INSERT INTO `customer pending amount`(`customer id`,
billed amount`, `paid amount`, `balance`) VALUES ($customer id,
$billed amount, $paid amount, $balance);";
```

```
$Data = mysqli_query($conn, $Query1);
   if($Data)
Identity #".$customer id.".</div>";
if(isset($ POST['customer balance report']))
   $query = "SELECT * FROM `customer pending amount` WHERE balance !=
0;";
   $data = mysqli query($conn, $query);
       $id = $row['customer id'];
       $Query = "SELECT `name` FROM `customers` WHERE customer_id =
$id;";
       $Data = mysqli query($conn, $Query);
       while($Row = $Data->fetch assoc())
   if($k == 1)
       Customer Name
       Paid Amount
```

```
". $row["customer id"]. "
                    $name
                    ". $row["paid amount"]. "
                    ". $row["balance"]. "
   echo "";
if(isset($ POST['zero customer balance']))
   $query = "SELECT * FROM `customer pending amount` WHERE balance =
0;";
   $data = mysqli query($conn, $query);
   $k = 1;
   while($row = $data->fetch assoc())
      $id = $row['customer id'];
$id;";
      $Data = mysqli query($conn, $Query);
      while($Row = $Data->fetch assoc())
   if($k == 1)
      Customer Identity #
      Billed Amount
```

```
echo
                      ". $row["paid amount"]. "
                      ". $row["balance"]. "
src="https://cdn.jsdelivr.net/npm/bootstrap@5.2.3/dist/js/bootstrap.bun
integrity="sha384-kenU1KFdBIe4zVF0s0G1M5b4hcpxyD9F7jL+jjXkk+Q2h455rYXK/
7HAuoJl+0I4" crossorigin="anonymous"></script>
```

The below php file is used to connect to the MySQL server:

## config.php

```
<?php
$servername = "localhost";
$username = "root";
$password = "";
$database = "medic keeper";
$conn = mysqli_connect($servername, $username, $password, $database);</pre>
```

```
if($conn)
    echo "";
else
    die("connection failed unfortunately because
".mysqli_connect_error());
?>
```

When the user logs out, the following code is rendered and redirected to index.php

```
<?php
include("config.php");
session_start();
session_unset();
header('location:index.php');
?>
```