CSE1005 SOFTWARE ENGINEERING LABORATARY

ONLINE BILLING SOFTWARE

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DEVELOPMENT

Coding and Implementation

USER SIGN UP

```
signup.php > ...
        <form method="post" action="" class="login">
            <header>SIGNUP</header>
            <div class="field">
                <span class="fa fa-user"></span>
                <input type="text" name="name" placeholder="Store Name" required>
            </div>
            <div class="field">
                <span class="fa fa-envelope"></span>
                <input type="email" name="email" placeholder="Email" required>
            </div>
            <div class="field">
                <span class="fa fa-phone"></span>
                <input type="phone" name="mob" placeholder="Mobile No." required>
            </div>
            <div class="field">
                <span class="fa fa-lock"></span>
                <input type="password" name="pass" placeholder="Password" required>
            </div>
            <div class="field">
                <span class="fa fa-vcard-o"></span>
                <input type="text" name="gst" placeholder="GSTIN / UIN" >
            </div>
            <input type="submit" class="submit" name="submit" value="CREATE ACCOUNT">

            <span class="logn-form-copy">Already have an account? <a href="login.php" class="login-form__sign-up">Login</a></span>
        </form>
        <?php
        if ($_SERVER["REQUEST_METHOD"] == "POST")
        {
            $name = $_POST['name'];
            $email=$_POST['email'];
            $mobile=$_POST['mob'];
            $pass=$_POST['pass'];
            $gst=$_POST['gst'];
            $query = "SELECT * FROM details WHERE email='$email'";
            $result = mysqli_query($conn, $query)or die($mysqli_error($conn));
            $num = mysqli_num_rows($result);
            if ($num!=0) {
                echo '<script>alert("Email Already exists")</script>';
            }else{
                $sql = "INSERT INTO details(name,email,mobile,password,gst) VALUES ('$name','$email','$mobile','$pass','$gst')";
                $result = mysqli_query($conn, $sql);
                header('location: login.html');
            }
        }
```

USER LOGIN

```
login.php > ...
1        <form method="post" action="" class="login">
2            <header>LOGIN</header>
3            <div class="field">
4                <span class="fa fa-user"></span>
5                <input type="email" name="email" placeholder="Email ID">
6            </div>
7            <div class="field">
8              <span class="fa fa-lock"></span>
9              <input type="password" name="pass" placeholder="Password">
0            </div>
1            <div class="forgot-password">
2                <a href="#">Forgot password?</a>
3            </div>
4            <input type="submit" class="submit" value="LOGIN">
5            <span class="logn-form-copy">Don't have an account? <a href="signup.php" class="login-form__sign-up">Sign up</a></span>
6        </form>
7        <?php
8            if ($_SERVER["REQUEST_METHOD"] == "POST")
9            {
0                $email=$_POST['email'];
1                $pass=$_POST['pass'];
2                $query = "SELECT * FROM details WHERE email='$email' AND password='$pass'";
3                $result = mysqli_query($conn, $query)or die($mysqli_error($conn));
4                $num = mysqli_num_rows($result);
5                if ($num==0) {
6                  echo '<script>alert("Invalid Credentials")</script>';
7                } else {
8                  $row = mysqli_fetch_array($result);
9                  $_SESSION['email'] = $row['email'];
0                  $_SESSION['user_id'] = $row['id'];
1                  $_SESSION['name']=$row['name'];
2                  header('location: index.php');
3                }
4            }
5        ?>
```

USER LOGOUT

```
logout.php
1  <?php
2    require("connect.php");
3    session_unset();
4    session_destroy();
5    header('location: login.php');
6  ?>
```

USER OPERATIONS

```html
<!-- Vertical navbar -->
<div class="vertical-nav bg-white" id="sidebar">
    <div class="py-4 px-3 mb-4 bg-light">
        <div class="media d-flex align-items-center">
            <img loading="lazy" src="pic.jpg" alt="..." width="80" height="80" class="mr-3 rounded-circle img-thumbnail shadow-sm">
            <div class="media-body">
                <h4 class="m-0"><?php echo $_SESSION['name']; ?></h4>

            </div>
        </div>
    </div>

    <ul class="nav flex-column bg-white mb-0">
        <li class="nav-item">
            <a href="index.php" class="nav-link text-dark">
                    <i class="fa fa-home mr-3 text-dark fa-fw"></i>
                    Home
            </a>
        </li>
    </ul>
    <br>
```

```html
<p class="text-dark font-weight-bold text-uppercase px-3 small pb-4 mb-0">Operations</p>

<ul class="nav flex-column bg-white mb-0">
    <li class="nav-item">
        <a href="createbill.php" class="nav-link text-dark bg-light">
                <i class="fa fa-pencil-square-o mr-3 text-dark fa-fw"></i>
                Create Bill
        </a>
    </li>
    <li class="nav-item">
        <a href="managebill.php" class="nav-link text-dark">
                <i class="fa fa-bar-chart mr-3 text-dark fa-fw"></i>
                Manage Bill
        </a>
    </li>

    <li class="nav-item">
        <a href="generatereport.php" class="nav-link text-dark">
                <i class="fa fa-window-restore mr-3 text-dark fa-fw"></i>
                Generate Report
        </a>
    </li>
<li class="nav-item">
    <a href="productshorthand.php" class="nav-link text-dark">
            <i class="fa fa-th-list mr-3 text-dark fa-fw"></i>
            Product Shorthand
    </a>
</li>
<li class="nav-item">
    <a href="giveawaygenerator.php" class="nav-link text-dark">
            <i class="fa fa-gift mr-3 text-dark fa-fw"></i>
            Giveaway Generator
    </a>
</li>
</ul>

<div class="mt-5 text-center">
<button type="button" class="btn btn-dark"><a href="logout.php" style="color:white;text-decoration: none;">Logout</a></button>
```

CREATE BILL

```php
<?php
if (isset($_POST['addbill']))
{
    $userid=$_SESSION['user_id'];
    $billid = $_SESSION['billno'];
    $mode=$_POST['mode'];
    $_SESSION['mode']=$mode;

    $cust_name=$_POST['name'];
    $_SESSION['cust_name']=$cust_name;

    $cust_addr=$_POST['addr'];
    $_SESSION['cust_addr']=$cust_addr;

    $cust_mob=$_POST['mob'];
    $_SESSION['cust_mob']=$cust_mob;

    $cust_email=$_POST['email'];
    $_SESSION['cust_email']=$cust_email;

    $prod_code=$_POST['pcode'];
    $prod_quantity=$_POST['quantity'];
    $prod_price=$_POST['price'];
    $query = "INSERT INTO bills(user_id,bill_id,mode,cust_name,cust_addr,cust_mob,cust_email,prod_code,prod_quantity,prod_price) VALUES ('$userid','$billi
    $result = mysqli_query($conn, $query)or die($mysqli_error($conn));
    echo("<meta http-equiv='refresh' content='1'>");
}
$user=$_SESSION['user_id'];
    $sql = "SELECT * FROM bills WHERE user_id='$user' AND bill_id='$val1'";
    $result = mysqli_query($conn, $sql);
    $sql1="SELECT SUM(prod_quantity*prod_price) AS TOTAL FROM bills WHERE user_id='$user' AND bill_id='$val1'";
    $result1=mysqli_query($conn, $sql1);
    $row1 = mysqli_fetch_assoc($result1);
    echo "<div class='container-fluid'><hr style='border-top: 1px dashed rgb(255, 255, 255);'><center><table class='table'><tr><th>ID</th><th>Item Name</t
        $count=1;
        while($row = mysqli_fetch_assoc($result))
        {
            echo "<tr><td>".$count."</td><td>".$row['prod_code']."</td><td>".$row['prod_quantity']."</td><td>".$row['prod_price']."</td><td>".$row['pr
            $count++;
        }
        echo "<tr><td></td><td></td><td></td><td></td><td><b>Total: RS ".$row1['TOTAL']."</b></td></tr>";
        echo "</table><center></div>";
?>
```

```php
    $prod_code=$_POST['pcode'];
    $prod_quantity=$_POST['quantity'];
    $prod_price=$_POST['price'];
    $query = "INSERT INTO bills(user_id,bill_id,mode,cust_name,cust_addr,cust_mob,cust_email,prod_code,prod_quantity,prod_price) VALUES ('$userid','$billi
    $result = mysqli_query($conn, $query)or die($mysqli_error($conn));
    echo("<meta http-equiv='refresh' content='1'>");
}
$user=$_SESSION['user_id'];
    $sql = "SELECT * FROM bills WHERE user_id='$user' AND bill_id='$val1'";
    $result = mysqli_query($conn, $sql);
    $sql1="SELECT SUM(prod_quantity*prod_price) AS TOTAL FROM bills WHERE user_id='$user' AND bill_id='$val1'";
    $result1=mysqli_query($conn, $sql1);
    $row1 = mysqli_fetch_assoc($result1);
    echo "<div class='container-fluid'><hr style='border-top: 1px dashed rgb(255, 255, 255);'><center><table class='table'><tr><th>ID</th><th>Item Name</t
        $count=1;
        while($row = mysqli_fetch_assoc($result))
        {
            echo "<tr><td>".$count."</td><td>".$row['prod_code']."</td><td>".$row['prod_quantity']."</td><td>".$row['prod_price']."</td><td>".$row['pr
            $count++;
        }
        echo "<tr><td></td><td></td><td></td><td></td><td><b>Total: RS ".$row1['TOTAL']."</b></td></tr>";
        echo "</table><center></div>";
?>
    </div> <br>
                    <div style="display: flex; justify-content:center" class="text-center">
                        <form action="savebill.php" method="POST">
                        <button type="submit" name="savebill" class="btn btn-light">Save Bill</button>
                        </form>
                        </div>
```

GENERATE REPORT

```php
<?php
    $con = mysqli_connect("localhost","root","","billing");

    if(isset($_POST['from_date']) && isset($_POST['to_date']))
    {
        $from_date = $_POST['from_date'];
        $_SESSION['from_date'] = $_POST['from_date'];
        $to_date = $_POST['to_date'];
        $_SESSION['to_date'] = $_POST['to_date'];
        $sesid=$_SESSION['user_id'];

        $query = "SELECT bill_id, mode, cust_name, cust_mob, prod_quantity, prod_price*prod_quantity AS totalcost FROM
        bills WHERE user_id='$sesid' AND date BETWEEN '$from_date' AND '$to_date' GROUP BY cust_mob";
        $query_run = mysqli_query($con, $query);
        $countervar = 1;

        if(mysqli_num_rows($query_run) > 0)
        {
            foreach($query_run as $row)
            {
                ?>
                <tr>
                    <td><?php echo $countervar; ?></td>
                    <td><?= $row['bill_id']; ?></td>
                    <td><?= $row['mode']; ?></td>
                    <td><?= $row['cust_name']; ?></td>
                    <td><?= $row['cust_mob']; ?></td>
                    <td><?= $row['prod_quantity']; ?></td>
                    <td><?= $row['totalcost']; ?></td>
                </tr>
                <?php
                $countervar++;
            }
        }
        else
        {
            echo "<span class='text-white'>"."No Record Found"."</span> <br>";
        }
    }
?>
    </tbody>
</table> <br>
<div style="display: flex; justify-content:center" class="text-center">
    <form action="reportaspdf.php" method="POST">
```

```php
reportaspdf.php > ...
1   <?php
2       include 'connect.php';
3       require_once('./tcpdf/tcpdf.php');
4       $obj_pdf = new TCPDF('P', PDF_UNIT, PDF_PAGE_FORMAT, true, 'UTF-8', false);
5       $obj_pdf->SetCreator(PDF_CREATOR);
6       $obj_pdf->SetTitle("YOUR BILL REPORT");
7       $obj_pdf->SetHeaderData('', '', PDF_HEADER_TITLE, PDF_HEADER_STRING);
8       $obj_pdf->setHeaderFont(array(PDF_FONT_NAME_MAIN, '', PDF_FONT_SIZE_MAIN));
9       $obj_pdf->setFooterFont(array(PDF_FONT_NAME_DATA, '', PDF_FONT_SIZE_DATA));
10      $obj_pdf->setDefaultMonospacedFont('helvetica');
11      $obj_pdf->SetFooterMargin(PDF_MARGIN_FOOTER);
12
13      $obj_pdf->SetMargins(PDF_MARGIN_LEFT,'0',PDF_MARGIN_RIGHT);
14      $obj_pdf->setPrintHeader(false);
15      $obj_pdf->setPrintFooter(false);
16      $obj_pdf->SetAutoPageBreak(TRUE, 10);
17      $obj_pdf->SetFont('helvetica', '', 12);
18      $obj_pdf->setPrintHeader(false);
19      $obj_pdf->AddPage();
20
21      $content = "";
22      $content .= "
23      <center><h3>Your Bill Report</h3></center><br><hr><br><br>
24      <table class='table text-white table-border'>
25          <thead>
26              <tr>
27                  <th>Id</th>
28                  <th>Bill Id</th>
29                  <th>Mode</th>
30                  <th>Name</th>
31                  <th>Mobile</th>
32                  <th>Quantity</th>
33                  <th>Total Cost</th>
34              </tr>
35          </thead>
36          <tbody>";
```

GENERATE GIVEAWAY

```html
        <div class="form-group row d-flex justify-content-center">
          <div class="btn-toolbar mr-3 ml-4" role="toolbar" aria-label="Toolbar with button groups">
            <div class="btn-group " role="group" aria-label="First group">
              <button type="submit" name="submit" class="btn btn-light"><b>Generate</b></button>
            </div>
          </div>
        </div>
        </div>
</form>
<?php
  if ($_SERVER["REQUEST_METHOD"] == "POST")
  {
    $id=$_SESSION['user_id'];
    $n=$_POST['rec'];
    $sql = "SELECT DISTINCT(cust_name),cust_mob,cust_email FROM bills WHERE user_id='$id' ORDER BY RAND() LIMIT ".$n;
    $result = mysqli_query($conn, $sql);
    echo "<div class='container'><center><table class='table'><tr>
    <th>ID</th><th>Name</th><th>Mobile</th><th>Email</th></tr>";
          $count=1;
          while($row = mysqli_fetch_assoc($result))
          {
              echo "<tr><td>".$count."</td><td>".$row['cust_name']."</td><td>".$row['cust_mob'].
              "</td><td>".$row['cust_email']."</td></tr>";
              $count++;
          }
          echo "</table><center></div>";
  }
?>
  </div>
```

PRODUCT SHORTHAND

```html
<div class="col-sm-5">
  <?php
  $value=$_SESSION['user_id'];
    $sql="SELECT * FROM products WHERE user_id='$value'";
    $result = mysqli_query($conn,$sql);
    $num_rows= mysqli_num_rows($result);
    if ($num_rows>= 1) {
      echo "<center><table class='table'><tr><th>ID</th><th>Code</th><th>Item Name</th><th>Price</th></tr>";
      $count=1;
      while($num_rows!=0)
      {
          $row = mysqli_fetch_assoc($result);
          echo "<tr><td>".$count."</td><td>".$row['code']."</td><td>".$row['prod_name']."</td><td>".$row['price']."</td></tr>";
          $num_rows--;
          $count++;
      }
      echo "</table><center>";
    }else{
      echo "<center><h3>Database is empty!!<h3></center>";
    }
  ?>
    </div>
  </div>
</div>
```
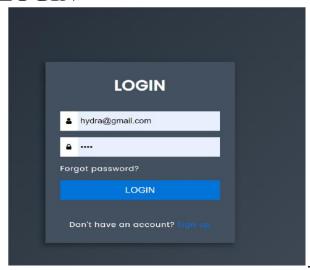
RETRIEVE BILLS

```php
retrieve.php > ...
1   <?php
2       include 'connect.php';
3       if (!isset($_SESSION['email'])) {
4           header('location: login.php');
5       }
6       if(isset($_GET['codeval'])){
7           $item=$_GET['codeval'];
8           $query = "SELECT prod_name FROM products WHERE user_id=".$_SESSION['user_id']." AND code='$item'";
9           $result = mysqli_query($conn, $query)or die($mysqli_error($conn));
10          while($row = mysqli_fetch_assoc($result))
11          {
12              echo $row['prod_name'];
13          }
14      }
15      if(isset($_GET['priceval'])){
16          $item=$_GET['priceval'];
17          $query = "SELECT price FROM products WHERE user_id=".$_SESSION['user_id']." AND code='$item'";
18          $result = mysqli_query($conn, $query)or die($mysqli_error($conn));
19          while($row = mysqli_fetch_assoc($result))
20          {
21              echo $row['price'];
22          }
23      }
24  ?>
```
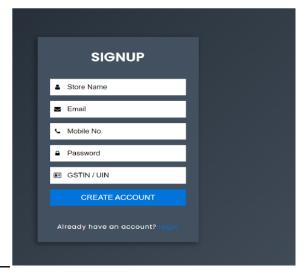
CONNECTION PHP CODE

```php
connect.php > ...
1   <?php
2   $conn = mysqli_connect("127.0.0.1", "root", "", "billing")or die($mysqli_error($conn));
3   if(!isset($_SESSION))
4   {
5       session_start();
6   }
7   ?>
```

REQUIRED CSS

```css
1   body {
2       background-color: #485461;
3       background-image: linear-gradient(315deg, #485461 0%, #28313b 74%);
4       min-height: 100vh;
5       overflow-x: hidden;
6   }
7   .vertical-nav {
8       min-width: 17rem;
9       width: 17rem;
10      height: 100vh;
11      position: fixed;
12      top: 0;
13      left: 0;
14      box-shadow: 3px 3px 10px rgba(0, 0, 0, 0.1);
15      transition: all 0.4s;
16  }
17  .page-content {
18      width: calc(100% - 17rem);
19      margin-left: 17rem;
20      transition: all 0.4s;
21  }
```

```css
23  #sidebar.active {
24      margin-left: -17rem;
25  }
26
27  #content.active {
28      width: 100%;
29      margin: 0;
30  }
31
32  .separator {
33      margin: 3rem 0;
34      border-bottom: 1px dashed #fff;
35  }
36
37  .text-uppercase {
38      letter-spacing: 0.1em;
39  }
40  .text-gray {
41      color: #aaa;
42  }
```
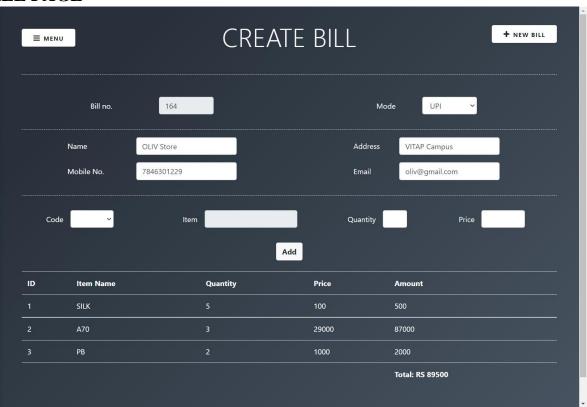
LOGIN

CREATE BILL PAGE

REPORT GENERATION PAGE

	Home					
	OPERATIONS					
	Create Bill					
	Manage Bill					
	Generate Report					
	Product Shorthand					
	Giveaway Generator					

Logout

From Date	To Date	Click to Filter
01/11/2021	15/11/2021	Submit

Id	Bill Id	Mode	Customer Name	Customer Mobile	Quantity	Total Cost
1	150	UPI	Shivaji	6768221479	2	340
2	160	Cash	Sai	7676767676	2	40
3	164	UPI	OLIV Store	7846301229	5	500
4	163	UPI	Nikki	8309908635	2	58000
5	151	UPI	Prasad	8787878787	2	40
6	157	Cash	Gudi	9398589364	5	500
7	156	Cash	Raju	9785463211	4	80
8	154	Cash	Seshank	9898989898	2	40

Print   Download

PDF REPORT GENERATED

YOUR BILL REPORT   1 / 1   —   100%   +

Your Bill Report

Id	Bill Id	Mode	Name	Mobile	Quantity	Total Cost
1	150	UPI	Shivaji	6768221479	2	340
2	160	Cash	Sai	7676767676	2	40
3	164	UPI	OLIV Store	7846301229	5	500
4	163	UPI	Nikki	8309908635	2	58000
5	151	UPI	Prasad	8787878787	2	40
6	157	Cash	Gudi	9398589364	5	500
7	156	Cash	Raju	9785463211	4	80
8	154	Cash	Seshank	9898989898	2	40

1

PRODUCT SHORTHAND PAGE

GIVEAWAY PAGE

ADMIN LOGIN PAGE

ADMIN PAGE

ID	Name	Mobile	Email	GST Number	Contact
1	Swagath Store	8143320497	kanigalpulaharshith@gmail.com	22AAAAA0000A1Z5	Contact
2	O'LIV STORE	8975461230	oliv@gmail.com	22AAAAA0000A1Z4	Contact