



# **CSE311 (Database Systems) REPORT**

**Project Title: DEBPS**

**Semester: Summer 2022**

**Sec: 8**

**Group Name: ESENGARD**

**Group Number: 10**

## **GROUP MEMBERS**

<b>SL.</b>	<b>NAME</b>	<b>ID</b>
1	SYED NIAMUL KAZBE RAYIAN	2021931642
2	SHAIKH ASIF MORSHID	1520736642
3	NAFIS MOSFIQ SIFAT	2011181642

**Submission Date: 30/08/22**

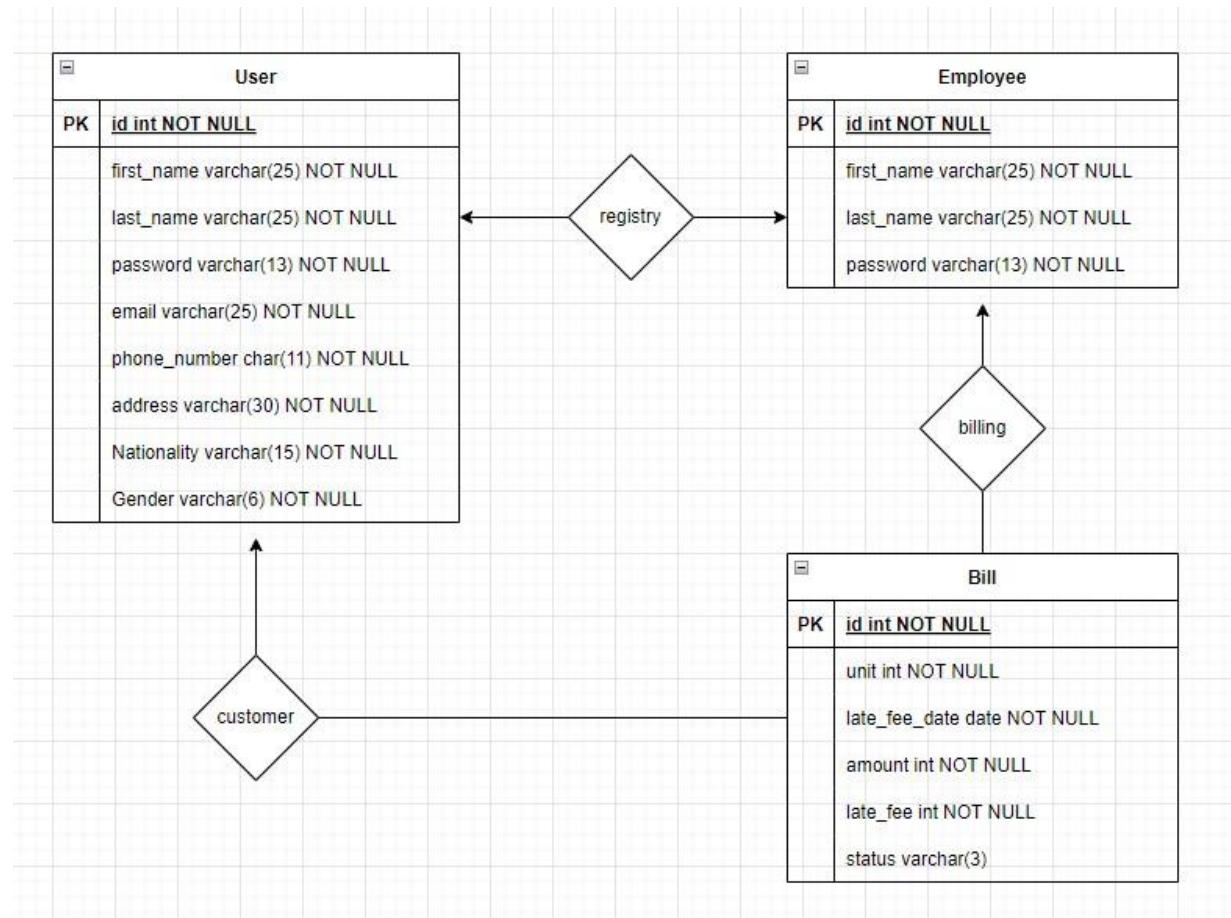
## Description:

The name of the project is DEBPS, meaning Digital Electric Billing and Payment System. It is a project about keeping all the information of the users of a specific electricity company. The users who are registered into DEBPS will be able to see their bill information, payment status and make payment online. The whole database will be supervised by the employee of the DEBPS, who are able register new customers, new connections, handle billing amount and disconnection.

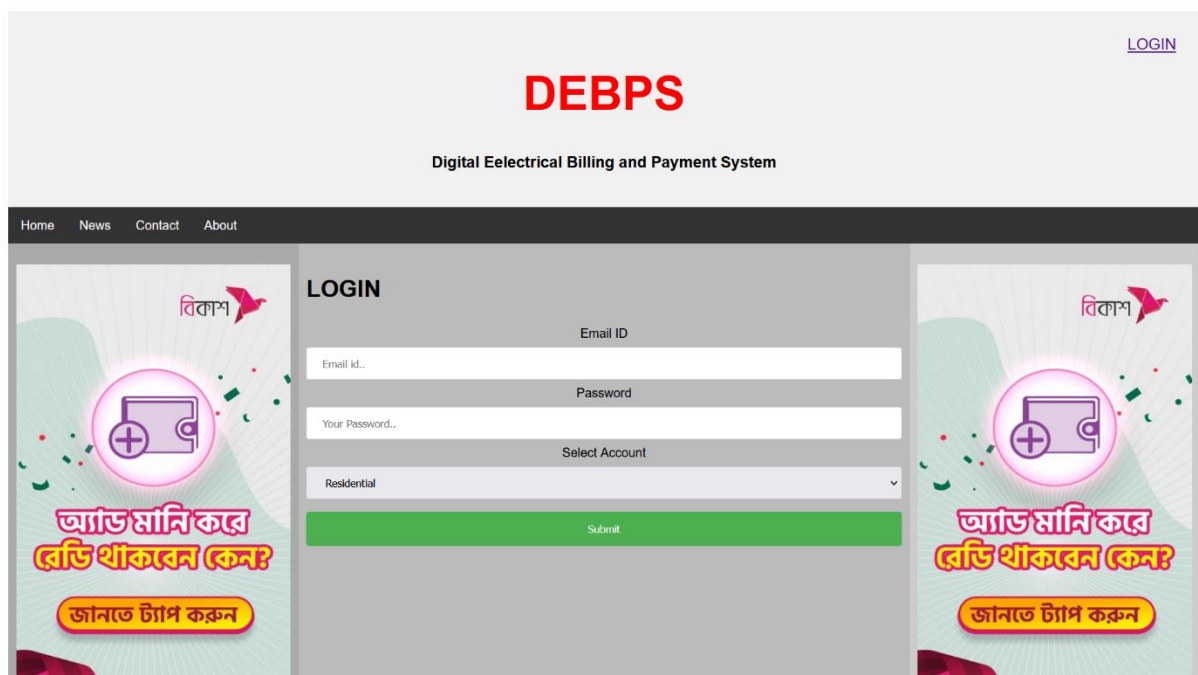
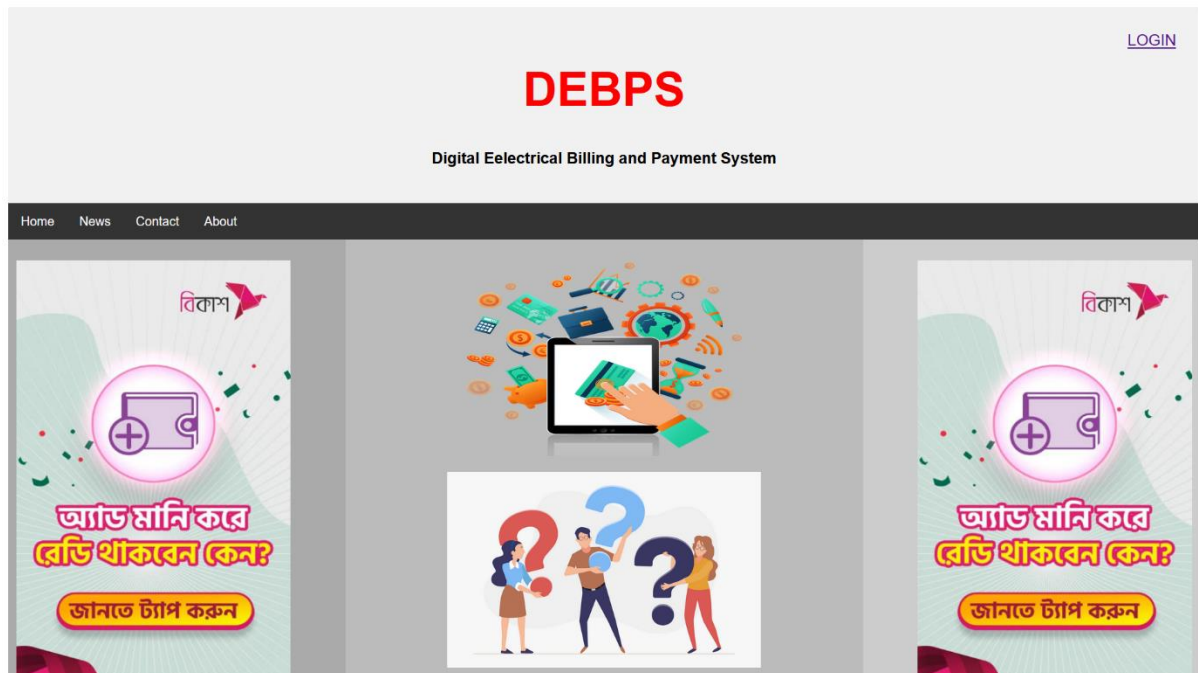
## Functional Features:

- Home Page  
This is opening page where there will be a main tab from this tab, users can login into their account, see information about the company and contact them.
- Body Function  
The users can select different options like seeing bill details, payment method, demonstration of making payment and receipts.
- Login Option  
Both the administrator and the customer will be required to login in order to proceed with anything else.
- Administrator Login  
It will have different options on the homepage like adding new customer, enter bill, and removing customer.
- User Login  
Customers can only see their details and make payment.
- Accounts and Registry  
Administrator will require to fill up a registration form, where details will differ according to the type, for new customer, new connection, or bill detail. Newly added accounts will be displayed in the registry where it can be viewed, edited, or deleted.

## E-R Diagram:



## UI Diagrams:



[LOGOUT](#)

# DEBPS

Digital Eelectrical Billing and Payment System

[Home](#) [My Account](#) [Registration](#) [Bill](#) [User Account](#) [Remove](#)

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অ্যাড ম্যানি করে  
রেডি থাকবেন কেন?

জানতে ট্যাপ করুন

## Account Details

Full Name

Syed Niamul Kazbe Rayian

Email ID

snkrayan@gmail.com

Phone Number

01719087571

Address

H#9/11, R#5, Lakeview, Badda, Gulshan-1, Dhaka-1212

Nationality

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## User Billing Form

Customer ID:

First name:

Last name:

Unit:

Submit

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[About](#)
[FAQ](#)

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## Select Payment Method

Bill Amount Due

8939 tk

Select Option

Cash



Bill

tk..

Phone

01XXXX..

Submit

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রেডি থাকবেন কেন?



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# DEBPS

Digital Eelectrical Billing and Payment System

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## Bill Details

Unit Used	780 unit
Bill Amount	8939 tk
Payment Status	Not paid
Late Fee	1341 tk

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## Requirements:

Software Requirements: (Example)

- Windows 10, Windows 7(ultimate, enterprise)
- SQL Server
- Visual Studio Code

## **Plan of work:**

### **Individual Contribution Breakdown-**

- SYED NIAMUL KAZBE RAYIAN → Presentation, UI design, Database, SQL
- SHAIKH ASIF MORSHID → Database, SQL
- NAFIS MOSFIQ SIFAT → Database, SQL

## **GitHub Link:**

**<https://github.com/nrayian/DEBPS-SQL-Webpage>**

# Code of SQL queries:

```
my_account_emp.php - Visual Studio Code
Restricted Mode is intended for safe code browsing. Trust this window to enable all features. Manage Learn More

my_account_emp.php X
C:\xampp\htdocs\DEBPS> my_account_emp.php
21 <h3>Account Details</h3><br>
22 <h4>Full Name</h4>
23 <?php
24     require_once('connectsql.php');
25
26     $email=$_SESSION['emailid'];
27     $password=$_SESSION['passwordid'];
28     // $option=$_SESSION['choice'];
29     //echo $email;
30
31     $sql="SELECT `first_name`, `last_name` FROM `employee` WHERE email_id='".$email."' AND password='".$password."'";
32     $result=$conn->query($sql);
33     $name=$result->fetch_assoc();
34     echo $name['first_name'], " ", $name['last_name'];
35     ?>
36 <br>
37 <h4>Email ID</h4>
38 <?php
39     require_once('connectsql.php');
40
41     $email=$_SESSION['emailid'];
42     $password=$_SESSION['passwordid'];
43     // $option=$_SESSION['choice'];
44     //echo $email;
45
46     $sql="SELECT `email_id` FROM `employee` WHERE email_id='".$email."' AND password='".$password."'";
47     $result=$conn->query($sql);
48     $name=$result->fetch_assoc();
49     echo $name['email_id'];
50     ?>
51 <br>
52 <h4>Phone Number</h4>
53 <?php
54     require_once('connectsql.php');
55
56     $email=$_SESSION['emailid'];
57     $password=$_SESSION['passwordid'];
58     // $option=$_SESSION['choice'];

payment.php - Visual Studio Code
Restricted Mode is intended for safe code browsing. Trust this window to enable all features. Manage Learn More

my_account_emp.php X payment.php X
C:\xampp\htdocs\DEBPS> payment.php
21 <h4>Bill Amount Due</h4>
22 <?php
23     require_once('connectsql.php');
24
25     $email=$_SESSION['emailid'];
26     $password=$_SESSION['passwordid'];
27     // $option=$_SESSION['choice'];
28     //echo $email;
29
30     $sql4="SELECT amount FROM `bill` WHERE ID=(SELECT ID FROM customer WHERE email_id='".$email."' AND password='".$password."'");
31     $result=$conn->query($sql4);
32     $name=$result->fetch_assoc();
33     $amount=$name['amount'];
34     echo $name['amount'], " tk";
35     ?>
36 <br>
37 <br>
38 <form method="POST">
39     <label for="option">Select Option</label>
40     <select id="option" name="option">
41         <option value="Cash">Cash</option>
42         <option value="bkash">bkash</option>
43         <option value="Credit Card">Credit Card</option>
44     </select>
45     <label for="bill">Bill</label>
46     <input type="text" id="bill" name="bill" placeholder="tk..">
47
48     <label for="phone">Phone</label>
49     <input type="text" id="phone" name="phone" placeholder="01XXX..">
50
51     <input type="submit" name="submit" value="Submit">
52 </form>
53
54 </table>
55
56 </div>
57 <div class="right" style="background-color:#ccc;">
58 </div>
```



```
File Edit Selection View Go Run Terminal Help payment.php - Visual Studio Code
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my_account_emp.php payment.php x
C:\xampp\htdocs> DEBPS > payment.php
<div class="right" style="background-color:#cccc;><p>
</p></div>
<?php
if(isset($_POST['submit'])){
    require_once('connectsql.php');
    $email=$_SESSION['emailid'];
    $password=$_SESSION['passwordid'];

    $sql1 = "SELECT ID FROM customer WHERE email_id='$email' AND password='$password'";
    $result=$conn->query($sql1);
    $row=$result->fetch_assoc();
    $ID=$row['ID'];

    $bill=$_POST['bill'];
    if($bill==$amount){
        $sql2 = "UPDATE 'bill' SET 'status'='yes' WHERE ID='$ID'";
        $result=$conn->query($sql2);
    }
    else{
        $sql2 = "UPDATE 'bill' SET 'status'='not' WHERE ID='$ID'";
        $result=$conn->query($sql2);
    }
    $sql3= "SELECT status FROM 'bill' WHERE ID=(SELECT ID FROM customer WHERE email_id='$email' AND password='$password')";
    $result=$conn->query($sql3);
    $row=$result->fetch_assoc();
    $status=$row['status'];
    if($status=="yes"){
        echo"<script>
        alert('Payment Complete!');
        window.location.href='user_login.php';</script>";
    }
    else{
        echo"<script>
        alert('Payment Not Complete!');
        window.location.href='payment.php';</script>";
    }
}
?>
Ln 31, Col 41 Spaces: 2 UTF-8 CRLF PHP

my_account_emp.php payment.php search.php x
C:\xampp\htdocs> DEBPS > search.php
40 if(isset($_POST['submit'])){
41     require_once('connectsql.php');
42     $emailid=$_POST['emailid'];
43     $option=$_POST['option'];
44
45
46
47 if($option=='user'){
48     $sql = "DELETE FROM 'customer' WHERE email_id='$emailid'";
49     $result1=$conn->query($sql);
50     $sql3= "SELECT ID FROM customer WHERE email_id='$emailid'";
51     $result=$conn->query($sql3);
52     if(mysqli_num_rows($result)!=1){
53         echo"<script>
54         alert('User Deletion Complete!');
55         window.location.href='user_details_emp.php';</script>";
56     }
57     else{
58         echo"<script>
59         alert('User Deletion Unsuccessful!');
60         window.location.href='search.php';</script>";
61     }
62 }
63 else{
64     $sql1 = "SELECT bill.ID FROM 'customer' JOIN 'bill' ON customer.ID=bill.ID WHERE customer.email_id='$emailid'";
65     $result1=$conn->query($sql1);
66     $row=$result->fetch_assoc();
67     $id=$row['ID'];
68     $sql2 = "DELETE FROM 'bill' WHERE ID='$id'";
69     $result2=$conn->query($sql2);
70     $sql3= "SELECT * FROM bill WHERE ID='$id'";
71     $result=$conn->query($sql3);
72     if(mysqli_num_rows($result)!=1){
73         echo"<script>
74         alert('Bill Deletion Complete!');
75         window.location.href='user_details_emp.php';</script>";
76     }
77     else{

```

```
File Edit Selection View Go Run Terminal Help
edit.php - Visual Studio Code
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my_account_emp.php payment.php search.php edit.php x

C:\xampp\htdocs\DEBPS> edit.php
33 if(isset($_POST['submit'])){
34     require_once('connectsql.php');
35
36     $lname=$_POST['lname'];
37     $fname=$_POST['fname'];
38     $phone=$_POST['phone'];
39     $address=$_POST['address'];
40     //echo $email;
41     //echo $option;
42     if($option=='Admin'){
43         $select='employee';
44     }
45     else{
46         $select='customer';
47     }
48
49     $sql="UPDATE `$select` SET `first_name`='$fname`,`last_name`='$lname`,`phone_number`='$phone`,`address`='$address' WHERE `email_id`='$email' AND password='$pass'"
50
51     $conn->query($sql);
52     $sql5="SELECT * FROM `$select` WHERE `email_id`='$email' AND password='$pass'";
53
54     $result=mysqli_query($conn, $sql5);
55
56     if(mysqli_num_rows($result)==1){
57         echo<script>
58             alert('Update complete');</script>;
59             if($option=='Admin'){
60                 echo<script>window.location.href='my_account_emp.php';</script>;
61             }
62             else{
63                 echo<script>window.location.href='my_account_user.php';</script>;
64             }
65         }
66     }
67     else{
68         echo<script>
69             alert('Not Edited');</script>;
70         }
71     }
```