American International University- Bangladesh

CSC 3215: Web Technologies

CO2 and CO4 Evaluation
Finished Project Report
Spring/Summer/Fall 2020-2021

Project Title: ONLINE BANKING SYSTEM
Section: H

Student Name	Student Id
1. CHOWDHURY, INDROJIT	17-34073-1
2. SHAIFUL ALAM FAISAL	17-34484-2
3. KALLOL SARKER	18-36820-1

ONLINE BANKING SYSTEM

Project Description:

Online Banking System is a nice web-based application that is developed in PHP platform. For developing a code, this PHP project will also provide tutorial and basic guidelines for the user. Moreover, the user can download the zip and can edit as per their need as this project is open-source. The main aim of this project is to help users to add beneficiary and send or receive money online.

Basically, this is an easy and fundamental level mini project for learning purposes. Besides, the user can also modify this scheme according to their requirements. For the backend of the system, the SQL server is used so that it will be easy to retrieve later. The system is basically for the users who want to add beneficiary and want to send or receive money online. The system has two sections i.e. Admin and Users. The users of the system are the regular people where they must log in to the system to do any transactions. They can look into the recent transaction they have made with date and time and also Transaction Id.

Besides, they can also transfer funds where they have to fill up the beneficiary details to add or delete or to send money. They can also check their own profile and also can log out from the system. Besides, the system also has an admin where they can add customers to the system with the details of the customer. They can also manage customers and can view them by searching them with their names. However, an admin must log in to the system. They are also responsible for website management where they can add post news with news headlines and details regarding the post. All these activities are stored with the creation of the database 'bank' in the project and import the SQL file in the database. Users can also download and look at other PHP projects as well.

Project Folder Structure:

ONLINE BANKING SYSTEM

Name	Date modified	Type	Size
dashboard	6/28/2021 8:25 PM	File folder	
img	6/28/2021 8:25 PM	File folder	
Jsonresponse	8/3/2021 12:46 AM	File folder	
net_banking	8/13/2021 12:17 PM	File folder	
sql	8/13/2021 12:17 PM	File folder	
webalizer	6/28/2021 8:25 PM	File folder	
xampp	6/28/2021 8:25 PM	File folder	
applications.html	8/27/2019 8:02 PM	HTML Document	4 KB
bitnami.css	8/27/2019 8:02 PM	Cascading Style Sh...	1 KB
favicon.ico	7/16/2015 9:32 PM	Icon	31 KB
index.php	7/16/2015 9:32 PM	PHP File	1 KB
net_banking.zip	8/14/2021 10:32 PM	Compressed (zipp...	3,204 KB
sql.zip	8/14/2021 10:32 PM	Compressed (zipp...	5 KB

ONLINE BANKING SYSTEM

Name	Date modified	Type	Size
fonts	8/13/2021 12:17 PM	File folder	
images	8/13/2021 12:17 PM	File folder	
action_style.css	8/13/2021 12:17 PM	Cascading Style Sh...	1 KB
add_beneficiary.php	8/13/2021 12:17 PM	PHP File	3 KB
add_beneficiary_action.php	8/13/2021 12:17 PM	PHP File	3 KB
admin_home.php	8/13/2021 12:17 PM	PHP File	2 KB
admin_home_style.css	8/13/2021 12:17 PM	Cascading Style Sh...	2 KB
admin_login.php	8/13/2021 12:17 PM	PHP File	2 KB
admin_login_action.php	8/13/2021 12:17 PM	PHP File	1 KB
admin_login_style.css	8/13/2021 12:17 PM	Cascading Style Sh...	2 KB
admin_sidebar.php	8/13/2021 12:17 PM	PHP File	3 KB
admin_sidebar_style.css	8/13/2021 12:17 PM	Cascading Style Sh...	2 KB
atm_simulator.php	8/13/2021 12:17 PM	PHP File	3 KB
atm_simulator_action.php	8/13/2021 12:17 PM	PHP File	4 KB
auto_delete_beneficiary.php	8/13/2021 12:17 PM	PHP File	2 KB
beneficiary.php	8/13/2021 12:17 PM	PHP File	9 KB
connect.php	8/13/2021 12:17 PM	PHP File	1 KB
connection_error.php	8/13/2021 12:17 PM	PHP File	2 KB
contact.php	8/13/2021 5:36 PM	PHP File	3 KB
contact_style.css	8/13/2021 12:17 PM	Cascading Style Sh...	2 KB
customer_add.php	8/13/2021 12:17 PM	PHP File	6 KB
customer_add_action.php	8/13/2021 12:17 PM	PHP File	5 KB
customer_add_style.css	8/13/2021 12:17 PM	Cascading Style Sh...	5 KB
customer_home.php	8/13/2021 12:17 PM	PHP File	2 KB
customer_login_action.php	8/13/2021 12:17 PM	PHP File	1 KB
customer_navbar.php	8/13/2021 12:17 PM	PHP File	2 KB
customer_profile.php	8/13/2021 12:17 PM	PHP File	6 KB

ONLINE BANKING SYSTEM

customer_profile_action.php	8/13/2021 12:17 PM	PHP File	2 KB
customer_sidebar.php	8/13/2021 12:17 PM	PHP File	3 KB
customer_transactions.php	8/13/2021 12:17 PM	PHP File	10 KB
delete_beneficiary.php	8/13/2021 12:17 PM	PHP File	2 KB
delete_customer.php	8/13/2021 12:17 PM	PHP File	3 KB
easter_egg.php	8/13/2021 12:17 PM	PHP File	3 KB
easter_egg_style.css	8/13/2021 12:17 PM	Cascading Style Sh...	2 KB
edit_customer.php	8/13/2021 12:17 PM	PHP File	7 KB
edit_customer_action.php	8/13/2021 12:17 PM	PHP File	3 KB
fonts.css	8/13/2021 12:17 PM	Cascading Style Sh...	1 KB
header.php	8/13/2021 5:27 PM	PHP File	1 KB
header_style.css	8/13/2021 12:17 PM	Cascading Style Sh...	1 KB
home.php	8/13/2021 12:17 PM	PHP File	2 KB
home_style.css	8/13/2021 12:17 PM	Cascading Style Sh...	3 KB
jquery-3.2.1.min.js	8/13/2021 12:17 PM	JavaScript File	85 KB
logout_action.php	8/13/2021 12:17 PM	PHP File	1 KB
manage_customers.php	8/13/2021 12:17 PM	PHP File	8 KB
manage_customers_style.css	8/13/2021 12:17 PM	Cascading Style Sh...	7 KB
navbar.php	8/13/2021 12:17 PM	PHP File	2 KB
navbar_style.css	8/13/2021 12:17 PM	Cascading Style Sh...	2 KB
news.php	8/13/2021 12:17 PM	PHP File	2 KB
news_style.css	8/13/2021 12:17 PM	Cascading Style Sh...	2 KB
pass_change.php	8/13/2021 12:17 PM	PHP File	3 KB
pass_change_action.php	8/13/2021 12:17 PM	PHP File	3 KB
post_news.php	8/13/2021 12:17 PM	PHP File	2 KB
post_news_action.php	8/13/2021 12:17 PM	PHP File	2 KB
send_funds.php	8/13/2021 12:17 PM	PHP File	3 KB
send_funds_action.php	8/13/2021 12:17 PM	PHP File	4 KB
session_expired.php	8/13/2021 12:17 PM	PHP File	1 KB
session_expired_style.css	8/13/2021 12:17 PM	Cascading Style Sh...	2 KB
session_timeout.php	8/13/2021 12:17 PM	PHP File	1 KB
transactions.php	8/13/2021 12:17 PM	PHP File	10 KB
transactions_style.css	8/13/2021 12:17 PM	Cascading Style Sh...	7 KB
user_navbar.php	8/13/2021 12:17 PM	PHP File	2 KB
user_navbar_style.css	8/13/2021 12:17 PM	Cascading Style Sh...	2 KB
validate_admin.php	8/13/2021 12:17 PM	PHP File	1 KB
validate_customer.php	8/13/2021 12:17 PM	PHP File	1 KB
verify_beneficiary.php	8/13/2021 12:17 PM	PHP File	2 KB

ONLINE BANKING SYSTEM

> This PC > Local Disk (C:) > xampp > htdocs > net_banking > fonts

Name	Date modified	Type	Size
OpenSans	8/13/2021 12:17 PM	File folder	
Roboto	8/13/2021 12:17 PM	File folder	
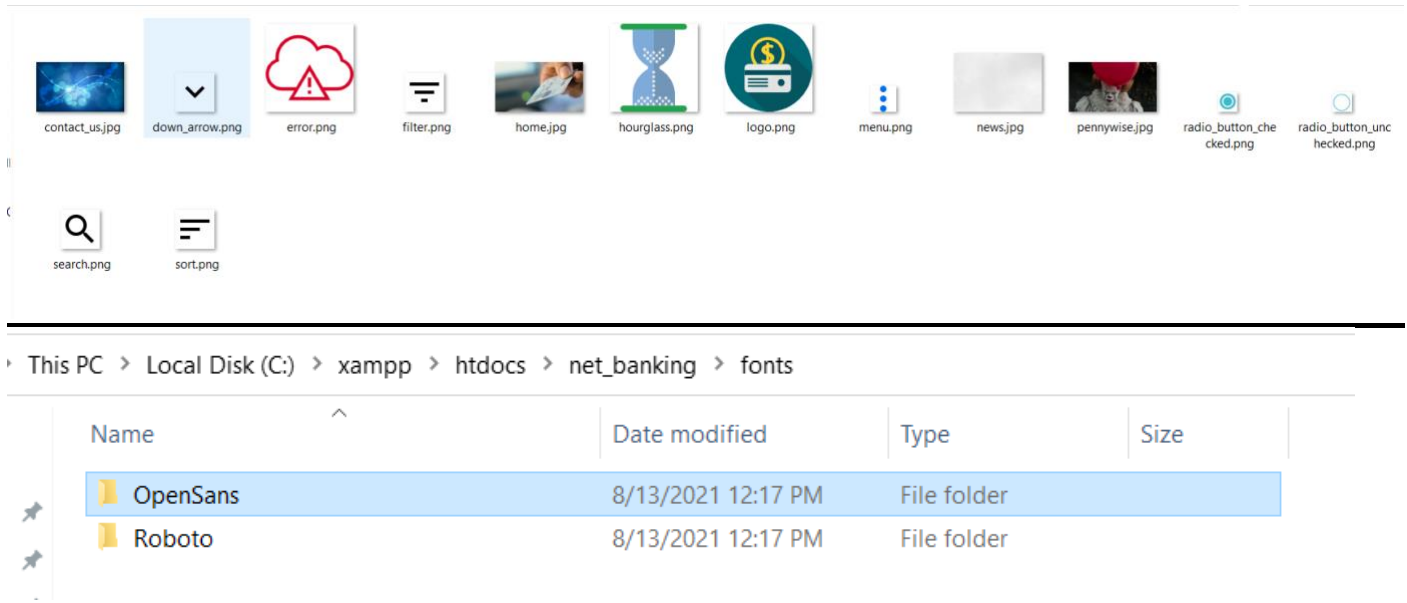
Core Modules of the Project:

Home.php

```php
<?php
    include "header.php";
    include "navbar.php";

    if (isset($_GET['loginFailed'])) {
        $message = "Invalid Credentials ! Please try again.";
        echo "<script type='text/javascript'>alert('$message');</script>";
    }
?>

<!DOCTYPE html>
<html>
<head>
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <link rel="stylesheet" href="home_style.css">
</head>

<body>
    <div class="flex-container-background">
        <div class="flex-container">
            <div class="flex-item-0">
                <h1 id="form_header">Your Bank at Your Fingertips.</h1>
            </div>
        </div>
```

ONLINE BANKING SYSTEM

```html
        <div class="flex-container">
            <div class="flex-item-1">
                <form action="customer_login_action.php" method="post">
                    <div class="flex-item-login">
                        <h2>Welcome</h2>
                    </div>

                    <div class="flex-item">
                        <input type="text" name="cust_uname" placeholder="Enter yo
ur Username" required>
                    </div>

                    <div class="flex-item">
                        <input type="password" name="cust_psw" placeholder="Enter
your Password" required>
                    </div>

                    <div class="flex-item">
                        <button type="submit">Login</button>
                    </div>
                </form>
            </div>
        </div>

    </div>

</body>
</html>

<?php include "easter_egg.php"; ?>
```

News.php

```php
<?php
    include "header.php";
    include "navbar.php";
    include "connect.php";
?>

<!DOCTYPE html>
<html>
<head>
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <link rel="stylesheet" href="news_style.css">
```

```php
</head>

<body>
    <div class="flex-container">
        <?php
            $sql0 = "SELECT id, title, created FROM news ORDER BY created DESC";
            $result = $conn->query($sql0);

            if ($result->num_rows > 0) {
            // output data of each row
            while($row = $result->fetch_assoc()) {
                $id = $row["id"];
                $sql1 = "SELECT body FROM news_body WHERE id=$id";
                $result1 = $conn->query($sql1); ?>

                <div class="flex-item">
                    <div class="flex-container-title">
                        <h1 id="title"><?php echo $row["title"] . "<br>"; ?></h1>
                    </div>
                    <div class="flex-container-title">
                        <p id="date"><?php echo "Date : " .
                            date("d/m/Y", strtotime($row["created"])); ?></p>
                    </div>
                    <div class="flex-container-body">
                        <p id="news_body"><?php while($row1 = $result1-
>fetch_assoc()) {

                            echo $row1["body"]; } ?></p>
                    </div>
                </div>

            <?php }
            } else {
                echo "No news available ! Please post some.";
            }
            $conn->close();
        ?>
    </div>

</body>
</html>
```

Contact.php

```php
<?php
```

```php
    include "header.php";
    include "navbar.php";
?>
```

```html
<!DOCTYPE html>
<html>
<head>
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <link rel="stylesheet" href="contact_style.css">
</head>

<body>
    <div class="flex-container-background">
        <div class="flex-container-heading">
            <h1 id="contact">Contact Us</h1>
        </div>

        <div class="flex-container" style="border-bottom: 0;
                                           border-top-left-radius: 10px;
                                           border-top-right-radius: 10px;">
            <div class="flex-item">
                <h1 id="sub-contact">Corporate Headquarters</h1>
                <p id="sub-contact">
                    Corporate HQ<br>GROUP 9 BANK<br>
                    8/A chowdhury road<br>
                    Gulshan,Dhaka
                </p>
            </div>
            <div class="flex-item">
                <h1 id="sub-contact">General Contact</h1>
                <p id="sub-contact">
                    Toll-Free: 888-968-6822<br>
                    Phone: 732-367-5505<br>
                    Fax: 732-367-2313<br>
                    Email: office@bank.com
                </p>
            </div>
        </div>

        <div class="flex-container" style="border-top: 0;
                                           border-bottom-left-radius: 10px;
                                           border-bottom-right-radius: 10px;">
            <div class="flex-item">
                <h1 id="sub-contact">Customer Care (24x7)</h1>
                <p id="sub-contact">
```

```
                    Toll-Free: 888-966-6992<br>
                    Phone: 732-666-5555<br>
                    Email: care@bank.com
                </p>
            </div>
            <div class="flex-item">
                <h1 id="sub-contact">Live Chat</h1>
                <p id="sub-contact">
                    Download our app and live chat<br>
                    with our customer care !<br>
                    App available on Google Play<br>
                    and iPhone-AppStore.
                </p>
            </div>
        </div>
    </div>


</body>
</html>
```

Adminlogin.php

```php
<?php
    include "header.php";

    if (isset($_GET['loginFailed'])) {
        $message = "Invalid Credentials ! Please try again.";
        echo "<script type='text/javascript'>alert('$message');</script>";
    }
?>


<!DOCTYPE html>
<html>
<head>
    <link rel="stylesheet" href="admin_login_style.css">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
</head>


<body>
    <form action="./admin_login_action.php" method="post">
        <div class="flex-container-1">
            <div class="flex-item">
                <h2>Administrator Login</h2>
```

ONLINE BANKING SYSTEM

```html
                </div>

                <label><b>Username</b></label>
                <div class="flex-item">
                    <input type="text" name="admin_uname" required>
                </div>

                <label><b>Password</b></label>
                <div class="flex-item">
                    <input type="password" name="admin_psw" required>
                </div>
        </div>

        <div class="flex-container-2">
            <div class="flex-item">
                <button type="submit">Login</button>
            </div>

            <div class="flex-item">
                <button type="button" class="cancelbtn">Cancel</button>
            </div>
        </div>
    </form>

</body>
</html>
```

Customer_login_action.php

```php
<?php
    include "connect.php";

    /* Avoid multiple sessions warning
    Check if session is set before starting a new one. */
    if(!isset($_SESSION)) {
        session_start();
    }

    $uname = mysqli_real_escape_string($conn, $_POST["cust_uname"]);
    $pwd = mysqli_real_escape_string($conn, $_POST["cust_psw"]);

    $sql0 =  "SELECT * FROM customer WHERE uname='".$uname."' AND pwd='".$pwd."'";
    $result = $conn->query($sql0);
    $row = $result->fetch_assoc();
```

```php
    if (($result->num_rows) > 0) {
        $_SESSION['loggedIn_cust_id'] = $row["cust_id"];
        $_SESSION['isCustValid'] = true;
        $_SESSION['LAST_ACTIVITY'] = time();
        header("location:./customer_home.php");
    }
    else {
        session_destroy();
        die(header("location:./home.php?loginFailed=true"));
    }
?>
```

Customer_profile.php

```php
<?php
    /* Avoid multiple sessions warning
    Check if session is set before starting a new one. */
    if(!isset($_SESSION)) {
        session_start();
    }

    include "validate_customer.php";
    include "connect.php";
    include "header.php";
    include "customer_navbar.php";
    include "customer_sidebar.php";
    include "session_timeout.php";

    $id = $_SESSION['loggedIn_cust_id'];

    $sql0 = "SELECT * FROM customer WHERE cust_id=".$id;
    $sql1 = "SELECT * FROM passbook".$id." WHERE trans_id=(
                SELECT MAX(trans_id) FROM passbook".$id.")";

    $result0 = $conn->query($sql0);
    $result1 = $conn->query($sql1);

    if ($result0->num_rows > 0) {
        // output data of each row
        while($row = $result0->fetch_assoc()) {
            $fname = $row["first_name"];
            $lname = $row["last_name"];
            $gender = $row["gender"];
```

```php
            $dob = $row["dob"];
            $aadhar = $row["aadhar_no"];
            $email = $row["email"];
            $phno = $row["phone_no"];
            $address = $row["address"];
            $branch = $row["branch"];
            $acno = $row["account_no"];
            $pin = $row["pin"];
            $cus_uname = $row["uname"];
            $cus_pwd = $row["pwd"];
        }
    }

    if ($result1->num_rows > 0) {
        // output data of each row
        while($row = $result1->fetch_assoc()) {
            $balance = $row["balance"];
        }
    }
?>

<!DOCTYPE html>
<html>
<head>
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <link rel="stylesheet" href="customer_add_style.css">
</head>

<body>
    <form class="add_customer_form" action="customer_profile_action.php" method="post">
        <div class="flex-container-form_header">
            <h1 id="form_header">Your account details . . .</h1>
        </div>

        <div class="flex-container">
            <div class=container>
                <label>First Name : <label id="info_label"><?php echo $fname ?></label></label>
            </div>
            <div class=container>
                <label>Last Name : <label id="info_label"><?php echo $lname ?></label></label>
            </div>
        </div>
```

ONLINE BANKING SYSTEM

```html
        <div class="flex-container">
            <div class=container>
                <label>Account No : <label id="info_label"><?php echo $acno ?></label></label>
            </div>
        </div>

        <div class="flex-container">
            <div class=container>
                <label>Balance (INR) : <label id="info_label"><?php echo number_format($balance) ?></label></label>
            </div>
        </div>

        <div class="flex-container">
            <div class=container>
                <label>Gender :
                    <label id="info_label">
                    <?php
                        if ($gender == "male") {echo "Male";}
                        elseif ($gender == "female") {echo "Female";}
                        else {echo "Others";}
                    ?>
                    <label>
                </label>
            </div>
        </div>

        <div class="flex-container">
            <div class=container>
                <label>Date of Birth : <label id="info_label"><?php echo $dob ?></label></label>
            </div>
        </div>

        <div class="flex-container">
            <div class=container>
                <label>Aadhar No : <label id="info_label"><?php echo $aadhar ?></label></label>
            </div>
        </div>

        <div class="flex-container">
            <div class=container>
```

```html
        <label>Email-ID :</label><br>
        <input name="email" size="30" type="text" value="<?php echo $email
 ?>" required />
    </div>
    <div class=container>
        <label>Username :</label><br>
        <input name="cus_uname" size="30" type="text" value="<?php echo $c
us_uname ?>" required />
    </div>
</div>

<div class="flex-container">
    <div  class=container>
        <label>Phone No. : <label id="info_label"><?php echo $phno ?></lab
el></label>
    </div>
</div>

<div class="flex-container">
    <div class=container>
        <label>Address :</label><br>
        <textarea name="address" required /><?php echo $address ?></textar
ea>
    </div>
</div>

<div class="flex-container">
    <div class=container>
        <label>Bank Branch :
            <label id="info_label">
                <?php
                    if ($branch == "delhi") {echo "Delhi";}
                    elseif ($branch == "newyork") {echo "New York";}
                    elseif ($branch == "paris") {echo "Paris";}
                    elseif ($branch == "riyadh") {echo "Riyadh";}
                    elseif ($branch == "moscow") {echo "Moscow";}
                ?>
            </label>
        </label>
    </div>
</div>

<div class="flex-container">
    <div class="container">
        <a href="/customer_home.php" class="button">Home</a>
```

ONLINE BANKING SYSTEM

```html
            </div>
            <div class="container">
                <button type="submit">Update</button>
            </div>
            <div class="container">
                <a href="/pass_change.php" class="password-
button">Change Password/PIN</a>
            </div>
        </div>

    </form>

</body>
</html>
```

Customer_transactions.php

```php
<?php
    /* Avoid multiple sessions warning
    Check if session is set before starting a new one. */
    if(!isset($_SESSION)) {
        session_start();
    }

    include "validate_customer.php";
    include "connect.php";
    include "header.php";
    include "customer_navbar.php";
    include "customer_sidebar.php";

    if (isset($_SESSION['loggedIn_cust_id'])) {
        $sql0 = "SELECT * FROM passbook".$_SESSION['loggedIn_cust_id'];
    }

    // Recive sort variables as $_GET
    if (isset($_GET['sort'])) {
        $sort = $_GET['sort'];
    }

    // Recieve filter variables as session variables
    if (isset($_POST['search_term'])) {
        $_SESSION['search_term'] = $_POST['search_term'];
    }
    if (isset($_POST['date_from'])) {
```

```php
        $_SESSION['date_from'] = $_POST['date_from'];
    }
    if (isset($_POST['date_to'])) {
        $_SESSION['date_to'] = $_POST['date_to'];
    }

    // Filter indicator variable
    $filter_indicator = "None";

    // Queries when search is set
    if (!empty($_SESSION['search_term'])) {
        $sql0 .= " WHERE remarks COLLATE latin1_GENERAL_CI LIKE '%".$_SESSION['search_term']."%'";
        $filter_indicator = "Remarks";

        if (!empty($_SESSION['date_from']) && empty($_SESSION['date_to'])) {
            $sql0 .= " AND trans_date > '".$_SESSION['date_from']." 00:00:00'";
            $filter_indicator = "Remarks & Date From";
        }
        if (empty($_SESSION['date_from']) && !empty($_SESSION['date_to'])) {
            $sql0 .= " AND trans_date < '".$_SESSION['date_to']." 23:59:59'";
            $filter_indicator = "Remarks & Date To";
        }
        if (!empty($_SESSION['date_from']) && !empty($_SESSION['date_to'])) {
            $sql0 .=  " AND trans_date BETWEEN '".$_SESSION['date_from']." 00:00:00' AND '".$_SESSION['date_to']." 23:59:59'";
            $filter_indicator = "Remarks, Date From & Date To";
        }
    }

    // Queries when search is not set
    if (empty($_SESSION['search_term'])) {
        if (!empty($_SESSION['date_from']) && empty($_SESSION['date_to'])) {
            $sql0 .= " WHERE trans_date > '".$_SESSION['date_from']." 00:00:00'";
            $filter_indicator = "Date From";
        }
        if (empty($_SESSION['date_from']) && !empty($_SESSION['date_to'])) {
            $sql0 .= " WHERE trans_date < '".$_SESSION['date_to']." 23:59:59'";
            $filter_indicator = "Date To";
        }
        if (!empty($_SESSION['date_from']) && !empty($_SESSION['date_to'])) {
            $sql0 .=  " WHERE trans_date BETWEEN '".$_SESSION['date_from']." 00:00:00' AND '".$_SESSION['date_to']." 23:59:59'";
            $filter_indicator = "Date From & Date To";
        }
```

```php
        }

    // Sort Queries
    // Sort acts independent of the filter
    if (isset($_GET['sort'])) {
        if ($sort == 'tid_down') {
            $sql0 .= " ORDER BY trans_id ASC";
        }
        if ($sort == 'tid_up') {
            $sql0 .= " ORDER BY trans_id DESC";
        }
        if ($sort == 'date_down') {
            $sql0 .= " ORDER BY trans_date ASC";
        }
        if ($sort == 'date_up') {
            $sql0 .= " ORDER BY trans_date DESC";
        }
    }
?>

<!DOCTYPE html>
<html>
<head>
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <link rel="stylesheet" href="transactions_style.css">
</head>

<body>
    <div class="search-bar-wrapper">
        <div class="search-bar" id="the-search-bar">
            <div class="flex-item-search-bar" id="fi-search-bar">
                <button id="search" onclick="document.getElementById('id01').style
.display='block'">Filter</button>

                <div class="flex-item-by">
                    <label id="sort">Sort By :</label>
                </div>

                <div class="flex-item-search-by">
                    <select name="by" onChange="window.location.href=this.value">
                        <option selected disabled hidden>
                            <?php if (empty($_GET['sort'])) {?>Tn. ID &darr;<?php
} else { ?>
                            <?php if ($sort == 'tid_down') {?>Tn. ID &darr;<?p
hp } ?>
```

ONLINE BANKING SYSTEM

```php
                                  <?php if ($sort == 'tid_up') {?>Tn. ID &uarr;<?php
 } ?>
                                  <?php if ($sort == 'date_down') {?>Date &darr;<?ph
p } ?>
                                  <?php if ($sort == 'date_up') {?>Date &uarr;<?php
} ?>
                              <?php } ?>
                          </option>
                          <option value="customer_transactions.php?sort=tid_down">Tn
. ID &darr;</option>
                          <option value="customer_transactions.php?sort=tid_up">Tn.
ID &uarr;</option>
                          <option value="customer_transactions.php?sort=date_down">D
ate &darr;</option>
                          <option value="customer_transactions.php?sort=date_up">Dat
e &uarr;</option>
                      </select>
                  </div>

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

  <div id="id01" class="modal">

    <form class="modal-content animate" action="" method="post">
      <div class="imgcontainer">
        <span onclick="document.getElementById('id01').style.display='none'" cla
ss="close" title="Close Filter">&times;</span>
      </div>

      <div class="container">
          <h1 id="filter">Filter</h1>
          <p id="filter">(Leave blank to remove filter)</p>
        <label>Trans. Remarks :</label>
        <input type="text" placeholder="Enter Remarks" name="search_term">

        <label>Duration (yyyy-mm-dd) :</label>
        <div class="duration-container">
            <div class="date-container">
                <input id="date" type="text" placeholder="From" name="date_from"
>
            </div>
            <p id="minus">&minus;<b</p>
            <div class="date-container">
```

```html
                <input id="date" type="text" placeholder="Upto" name="date_to">
            </div>
        </div>


        <button id="submit" type="submit">Go</button>
    </div>

  </form>
</div>

<div class="flex-container">
    <p id="none">Filter : <?php echo $filter_indicator ?></p>
</div>

<div class="flex-container">

    <?php
        $result = $conn->query($sql0);

        if ($result->num_rows > 0) {?>
            <table id="transactions">
                <tr>
                    <th>Trans. ID</th>
                    <th>Date & Time (IST)</th>
                    <th>Remarks</th>
                    <th>Debit </th>
                    <th>Credit </th>
                    <th>Balance </th>
                </tr>
    <?php
        // output data of each row
        while($row = $result->fetch_assoc()) {?>
                <tr>
                    <td><?php echo $row["trans_id"]; ?></td>
                    <td>
                        <?php
                            $time = strtotime($row["trans_date"]);
                            $sanitized_time = date("d/m/Y, g:i A", $time);
                            echo $sanitized_time;
                         ?>
                    </td>
                    <td><?php echo $row["remarks"]; ?></td>
                    <td><?php echo number_format($row["debit"]); ?></td>
                    <td><?php echo number_format($row["credit"]); ?></td>
                    <td><?php echo number_format($row["balance"]); ?></td>
```

```php
                </tr>
        <?php } ?>
        </table>
        <?php
        } else {   ?>
            <p id="none"> No results found :(</p>
        <?php }
        $conn->close(); ?>

    </div>

    <script>
    // Sticky search-bar
    $(document).ready(function() {
        var curr_scroll;

        $(window).scroll(function () {
            curr_scroll = $(window).scrollTop();

            if ($(window).scrollTop() > 120) {
                $("#the-search-bar").addClass('search-bar-fixed');

              if ($(window).width() > 855) {
                  $("#fi-search-bar").addClass('fi-search-bar-fixed');
              }
            }

            if ($(window).scrollTop() < 121) {
                $("#the-search-bar").removeClass('search-bar-fixed');

              if ($(window).width() > 855) {
                  $("#fi-search-bar").removeClass('fi-search-bar-fixed');
              }
            }
        });

        $(window).resize(function () {
            var class_name = $("#fi-search-bar").attr('class');

            if ((class_name == "flex-item-search-bar fi-search-bar-
fixed") && ($(window).width() < 856)) {
                $("#fi-search-bar").removeClass('fi-search-bar-fixed');
            }
```

```javascript
            if ((class_name == "flex-item-search-
bar") && ($(window).width() > 855) && (curr_scroll > 120)) {
                $("#fi-search-bar").addClass('fi-search-bar-fixed');
            }
        });

        // Get the modal
        var modal = document.getElementById('id01');

        // When the user clicks anywhere outside of the modal, close it
        window.onclick = function(event) {
            if (event.target == modal) {
                modal.style.display = "none";
            }
        }
    });
    </script>

</body>
</html>
```

Customer_home.php

```php
<?php
    include "validate_customer.php";
    include "header.php";
    include "customer_navbar.php";
    include "customer_sidebar.php";
    include "session_timeout.php";

    $id = $_SESSION['loggedIn_cust_id'];

    $sql0 = "SELECT * FROM customer WHERE cust_id=".$id;
    $result0 = $conn->query($sql0);
    $row0 = $result0->fetch_assoc();

    $sql1 = "SELECT * FROM passbook".$id." WHERE trans_id=(
                SELECT MAX(trans_id) FROM passbook".$id.")";
    $result1 = $conn->query($sql1);
    $row1 = $result1->fetch_assoc();

    if ($row1["debit"] == 0) {
        $transaction = $row1["credit"];
        $type = "credit";
```

ONLINE BANKING SYSTEM

```php
        }
        else {
            $transaction = $row1["debit"];
            $type = "debit";
        }

        $time = strtotime($row1["trans_date"]);
        $sanitized_time = date("d/m/Y, g:i A", $time);

        $sql2 = "SELECT COUNT(*) FROM beneficiary".$id;
        $result2 = $conn->query($sql2);
        $row2 = $result2->fetch_assoc();
?>

<!DOCTYPE html>
<html>
<head>
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <link rel="stylesheet" href="admin_home_style.css">
</head>

<body>
    <div class="flex-container">
        <div class="flex-item">
            <h1 id="customer">
                Welcome, <?php echo $row0["first_name"] ?>&nbsp<?php echo $row0["last_name"] ?>&nbsp!
                <br>AC/No: <?php echo $row0["account_no"]; ?>
            </h1>
            <p id="customer">
                &#9656 Balance: <?php echo number_format($row1["balance"]); ?>/-
                <br>&#9656 You have <?php echo $row2["COUNT(*)"]; ?> beneficiaries.

                <br>&#9656 Your last transaction (<?php echo $type; ?>) of&nbspRs.&nbsp<?php
                echo number_format($transaction); ?><br>
                on <?php echo $sanitized_time; ?>, was: "<?php echo $row1["remarks"]; ?>".
            </p>
        </div>
    </div>

</body>
</html>
```

```php
<?php include "easter_egg.php"; ?>
```

Benefieciry.php

```php
<?php
    /* Avoid multiple sessions warning
    Check if session is set before starting a new one. */
    if(!isset($_SESSION)) {
        session_start();
    }

    include "validate_customer.php";
    include "connect.php";
    include "header.php";
    include "customer_navbar.php";
    include "customer_sidebar.php";
    include "verify_beneficiary.php";
    include "session_timeout.php";

    if (isset($_SESSION['loggedIn_cust_id'])) {
        $sql0 = "SELECT * FROM beneficiary".$_SESSION['loggedIn_cust_id'];
    }
?>

<!DOCTYPE html>
<html>
<head>
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <link rel="stylesheet" href="manage_customers_style.css">
</head>

<body>
    <div class="search-bar-wrapper">
        <div class="search-bar" id="the-search-bar">
            <div class="flex-item-search-bar" id="fi-search-bar">
                <a class="add-button" href="./add_beneficiary.php">Add</a>

                <form class="search_form" action="" method="post">
                    <div class="flex-item-search">
                        <input name="search" size="30" type="text" placeholder="Search Beneficiaries..." />
                    </div>

                    <div class="flex-item-search-button">
```

ONLINE BANKING SYSTEM

```html
                    <button type="submit" name="submit" id="search"></button>
                </div>

                <div class="flex-item-by">
                    <label for="by">By :</label>
                </div>

                <div class="flex-item-search-by">
                    <select name="by" id="by">
                        <option value="name">Name</option>
                        <option value="acno">Ac/No</option>
                    </select>
                </div>
            </form>

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

<div class="flex-container">
    <p id="info">Send to, Add/Delete Beneficiaries.</p>
    <?php
        $result = $conn->query($sql0);
        $isBenefPresent = 0;
        $back_button = FALSE;

        if ($result->num_rows > 0) {
        // output data of each row
        $i = 0;
        while($row = $result->fetch_assoc()) {
            $i++;

            if (isset($_POST['submit'])) {
                $back_button = TRUE;
                $search = $_POST['search'];
                $by = $_POST['by'];

                if ($by == "name") {
                    $sql1 = "SELECT cust_id, first_name, last_name, account_no
 FROM customer
                        WHERE cust_id=".$row["benef_cust_id"]." AND (first_name LI
KE '%$search%'
                        OR last_name LIKE '%$search%' OR CONCAT(first_name, ' ', l
ast_name) LIKE '%$search%')";
                }
```

```php
                else {
                    $sql1 = "SELECT cust_id, first_name, last_name, account_no
 FROM customer
                    WHERE cust_id=".$row["benef_cust_id"]." AND account_no LIK
E '$search'";
                }
            }
            else {
                $sql1 = "SELECT cust_id, first_name, last_name, account_no
                    FROM customer WHERE cust_id=".$row["benef_cust_id"];
            }

            $result1 = $conn->query($sql1);
            if ($result1->num_rows > 0) {
                $isBenefPresent = 1;
                $row1 = $result1->fetch_assoc();
            ?>

                <div class="flex-item">
                    <div class="flex-item-1">
                        <p id="id"><?php echo $i . "."; ?></p>
                    </div>
                    <div class="flex-item-2">
                        <p id="name"><?php echo $row1["first_name"] . " " . $r
ow1["last_name"]; ?></p>
                        <p id="acno"><?php echo "Ac/No : " . $row1["account_no
"]; ?></p>
                    </div>
                    <div class="flex-item-1">
                        <div class="dropdown">
                            <!--
We are dynamically naming each dropdown for every entry in the loop and
                            passing the respective integer value in the dr
opdown_func().
                            This creates adynamic anchor for each button--
>
                            <button onclick="dropdown_func(<?php echo $i ?>)" cl
ass="dropbtn"></button>
                            <div id="dropdown<?php echo $i ?>" class="dropdown-
content">
                                <!--
Pass the customer trans_id as a get variable in the link-->
                                <a href="./send_funds.php?cust_id=<?php echo $row1
["cust_id"] ?>">Send</a>
```

```php
                                <a href="./delete_beneficiary.php?cust_id=<?php ec
ho $row1["cust_id"] ?>"
                                    onclick="return confirm('Are you sure?')">Del
ete</a>
                            </div>
                        </div>
                    </div>
                </div>

        <?php }}}

        if ($isBenefPresent == 0) { ?>
            <p id="none"> No beneficiaries found :(</p>
        <?php }
        if ($back_button) { ?>
            <div class="flex-container-bb">
                <div class="back_button">
                    <a href="./beneficiary.php" class="button">Go Back</a>
                </div>
            </div>
        <?php }
        $conn->close(); ?>
    </div>

    <script>
    /*  The problem with lots of menus sharing same anchor(dropdown-
content) is that clicking on
        any of the buttons produces the same output as clicking the first button.
Thus only the
        menu associated with the first button opens. This is BIG PROBLEM when we h
ave lots of menus
        inside the while-loop.
        Hence, solve this problem using dynamic naming to create different anchors
 for different
        buttons.
        This is a proper solution and NOT a hack/workaround */
    function dropdown_func(i) {
        // Dynamic naming of the dropdown #id
        var doc_id = "dropdown".concat(i.toString());

        var dropdowns = document.getElementsByClassName("dropdown-content");
        var i;

        // Close any menus, if opened, before opening a new one
        for (i = 0; i < dropdowns.length; i++) {
```

```javascript
        var openDropdown = dropdowns[i];
        if (openDropdown.classList.contains('show')) {
          openDropdown.classList.remove('show');
        }
      }
    }

    document.getElementById(doc_id).classList.toggle("show");
    return false;
}

// Close the dropdown if the user clicks outside of it
window.onclick = function(event) {
  if (!event.target.matches('.dropbtn')) {
    var dropdowns = document.getElementsByClassName("dropdown-content");
    var i;

    for (i = 0; i < dropdowns.length; i++) {
      var openDropdown = dropdowns[i];
      if (openDropdown.classList.contains('show')) {
        openDropdown.classList.remove('show');
      }
    }
  }
}

// Sticky search-bar
$(document).ready(function() {
    var curr_scroll;

    $(window).scroll(function () {
        curr_scroll = $(window).scrollTop();

        if ($(window).scrollTop() > 120) {
            $("#the-search-bar").addClass('search-bar-fixed');

          if ($(window).width() > 855) {
              $("#fi-search-bar").addClass('fi-search-bar-fixed');
          }
        }

        if ($(window).scrollTop() < 121) {
            $("#the-search-bar").removeClass('search-bar-fixed');

          if ($(window).width() > 855) {
              $("#fi-search-bar").removeClass('fi-search-bar-fixed');
```

```
                }
            }
        });

        // Fixes some 'unfortunate-graphics-derp' while resizing the window
        $(window).resize(function () {
            var class_name = $("#fi-search-bar").attr('class');

            if ((class_name == "flex-item-search-bar fi-search-bar-
fixed") && ($(window).width() < 856)) {
                $("#fi-search-bar").removeClass('fi-search-bar-fixed');
            }

            if ((class_name == "flex-item-search-
bar") && ($(window).width() > 855) && (curr_scroll > 120)) {
                $("#fi-search-bar").addClass('fi-search-bar-fixed');
            }
        });
    });

    </script>

</body>
</html>
```

ATM_simulator.php

```php
<?php
    include "validate_customer.php";
    include "header.php";
    include "customer_navbar.php";
    include "customer_sidebar.php";
    include "session_timeout.php";
?>

<!DOCTYPE html>
<html>
<head>
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <link rel="stylesheet" href="customer_add_style.css">
</head>

<body>
```

ONLINE BANKING SYSTEM

```html
    <form class="add_customer_form" action="atm_simulator_action.php" method="post
">
      <div class="flex-container-form_header">
          <h1 id="form_header">ATM Simulator</h1>
      </div>

      <div class="flex-container">
          <div class=container>
              <label>Enter Amount:</label><br>
              <input name="amt" size="24" type="text" required />
          </div>
      </div>

      <div class="flex-container">
          <div class=container>
              <label>Type :</label>
          </div>
          <div class="flex-container-radio">
              <div class="container">
                  <input type="radio" name="type" value="debit" id="debit-
radio" checked>
                  <label id="radio-label" for="debit-
radio"><span class="radio">Debit</span></label>
              </div>
              <div class="container">
                  <input type="radio" name="type" value="credit" id="credit-
radio">
                  <label id="radio-label" for="credit-
radio"><span class="radio">Credit</span></label>
              </div>
          </div>
      </div>

      <div class="flex-container">
          <div  class=container>
              <label>PIN(4 digit) :</b></label><br>
              <input name="pin" size="12" type="password" required />
          </div>
      </div>

      <div class="flex-container">
          <div class="container">
              <button type="submit">Submit</button>
          </div>
```

ONLINE BANKING SYSTEM

```html
            <div class="container">
                <button type="reset" class="reset" onclick="return confirmReset();
">Reset</button>
            </div>
        </div>

    </form>

    <script>
    function confirmReset() {
        return confirm('Do you really want to reset?')
    }
    </script>

</body>
</html>
```