



American International University- Bangladesh

CSC 3215: Web Technologies

CO2 and CO4 Evaluation Finished Project Report FALL 23-24

Project Title: Green Dhaka

Section: WEB TECHNOLOGIES [F]

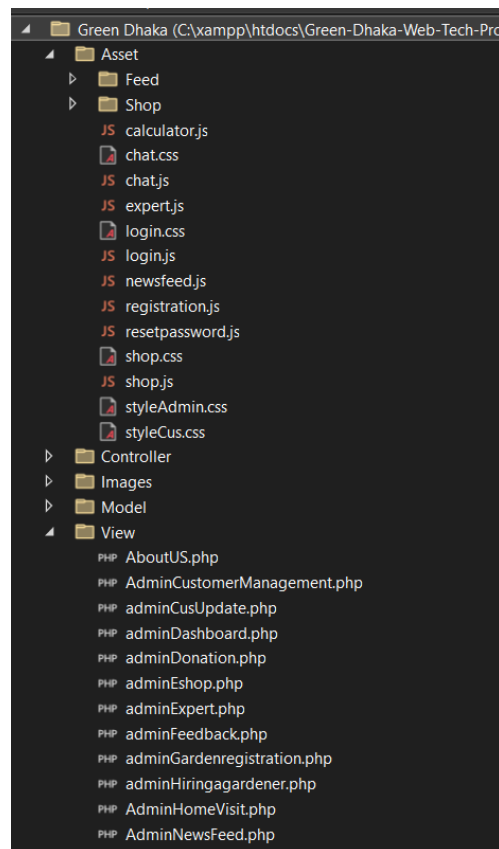
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Green Dhaka

Project Description:

The "Green Dhaka" project is a comprehensive initiative aimed at tackling the dual challenges of diminishing greenery and unemployment in the Dhaka metropolitan area. Focusing on the transformation of unused rooftops into vibrant, self-sustaining gardens, the project introduces a range of innovative solutions. Residents of Dhaka City Corporation (DCC) will be empowered to establish and maintain rooftop gardens with the system's support, which includes assistance for essential household tasks like water, electricity, sewage, and gas. To enhance accessibility, the project offers the lending of specialized and costly gardening machinery at a fraction of the cost. Capitalizing on the high pass-out rates from government-sponsored youth training centers, the initiative proposes the deployment of trained graduates as certified assistants for various household tasks, addressing both unemployment and the underutilization of vocational training. The targeted user groups for this initiative are individuals with unutilized rooftops, who will benefit not only from greener surroundings but also a 10% tax rebate for gardening, as per DSCC regulations. Beyond its immediate impact, "Green Dhaka" contributes significantly to scientific advancements by actively addressing the ecological imbalances stemming from mass urbanization. The project aligns with existing literature on tree plantation, ensuring a scientifically informed approach. Ultimately, "Green Dhaka" envisions a sustainable urban landscape, where rooftops blossom into green havens, providing ecological benefits while simultaneously creating employment opportunities and fostering a sense of community and self-sufficiency. Through its holistic approach, the project strives to make Dhaka a model for sustainable urban living, setting a precedent for cities grappling with similar challenges worldwide.

Project Folder Structure:



Green Dhaka

Core Modules of the Project:

adminGardenRegistration.php [html,php]

(admin can accept or reject garden & accepted garden will be in a new table)

```
<?php

$con = mysqli_connect('127.0.0.1', 'root', '', 'greendhaka');
$sql = "SELECT * FROM `garden`";
$sql2 = "SELECT * FROM `acceptedGarden`";
$result = mysqli_query($con, $sql);
$result2 = mysqli_query($con, $sql2);
?>

<link rel="stylesheet" href="../Asset/styleAdmin.css">
<form method="post" action="../Controller/acceptedGarden.php">
<table border="0" width = "100%" height = "100%">
    <tr >
        <td height="5%" width="15%" align="center">
            
        </td>
        <td align="center" height="5%"width="70%">
            <h1 style="color:SeaGreen;"> </h1> <br>
            <h1 style="color:SeaGreen;"> Green Dhaka </h1>
            <h4 style="color:SeaGreen;"> An initiative of Dhaka City Corporation </h4>
            <p style="color:SeaGreen;"> <b> </b> </p>
        </td>
        <td >
            <table border="0" align="center">
                <tr>
                    <td> 
                    </td>
                    <td align="right"> <br>
                        <a href="adminDashboard.php">Dashboard</a>
                        <a href="login.php"> Logout <a>
                    </td>
                </tr>
            </table>
        </td>
    </tr>
    <tr>
        <td colspan="3" align="center" height = "8%">
        </td>
    </tr>
    <tr>
        <td align ="center" colspan="3">
            <table>
                <tr>
                    <td align ="left" width="50%">
                        <h3 style="color:SeaGreen;"> Requested Gardens </h3>

                        <table border="1" width="100%" align ="left">
                            <tr >
                                <td> Email </td>
                                <td> Rooftop Area </td>
```



Green Dhaka

```

        <td> Garden Area    </td>
        <td> Location      </td>
        <td> Tin Number    </td>

</tr>
<?php while($data = mysqli_fetch_assoc($result)){
    $email = $data['email'];
    $rArea = $data['rArea'];
    $gArea = $data['gArea'];
    $loc = $data['loc'];
    $tin = $data['tin'];

    echo'<tr>
        <td> '.$email.'    </td>
        <td> '.$rArea.'    </td>
        <td> '.$gArea.'    </td>
        <td> '.$loc.'      </td>
        <td> '.$tin.'      </td>
        <td>
            <button><a
href=" ../Controller/gardenReqAccept.php?email='.$email.'&state=true"> Accept </a></button>
            <button><a
href=" ../Controller/gardenReqReject.php?email='.$email.'&state=false"> Reject </a></button>
            </td>
        </tr>
    ';
}
?>

</table>
</td>
<td>

</td>
<td align="right">
    <h3 style="color:SeaGreen;"> Accepted Gardens </h3>

    <table border="1" width="100%" align="center">
        <tr >
            <td> Email    </td>
            <td> Rooftop Area    </td>
            <td> Garden Area    </td>
            <td> Location    </td>
            <td> Tin Number    </td>

        </tr>
        <?php while($data = mysqli_fetch_assoc($result2)){
            $email = $data['email'];
            $rArea = $data['rArea'];
            $gArea = $data['gArea'];
            $loc = $data['loc'];
            $tin = $data['tin'];

            echo'<tr>
                <td> '.$email.'    </td>
                <td> '.$rArea.'    </td>
                <td> '.$gArea.'    </td>
                <td> '.$loc.'      </td>
                <td> '.$tin.'      </td>
                <td>

```



Green Dhaka

```
<button><a
href=" ../Controller/acceptedGardenReqDelete.php?email='.$email.'&state=b"> Delete
</a></button>

</td>
</tr>
';
}
?>
</table>
</td>
</tr>
</table>
</tr>

<tr height ="5%" align="center">
<td>
</td>
<td>
<p style="color:white;background-color:SeaGreen;"> Call now : +88017xxxxxxx
Email:greendhaka@gmail.com Address: Kuril,KA,187/0A </p>

</td>
<td>
</td>
</tr>

</table>
</form>*/
```



Green Dhaka

*cart.php [css,php]
(adding product to cart for checkout)*

```
<?php
session_start();
if(!isset($_SESSION['valid'])){
    header('location: login.php');
}
$conn = mysqli_connect('localhost','root','','greendhaka') or die('connection failed');

if(isset($_POST['update_update_btn'])){
    $update_value = $_POST['update_quantity'];
    $update_id = $_POST['update_quantity_id'];
    $update_quantity_query = mysqli_query($conn, "UPDATE `cart` SET quantity = '$update_value'
WHERE id = '$update_id'");
    if($update_quantity_query){
        header('location:cart.php');
    };
};

if(isset($_GET['remove'])){
    $remove_id = $_GET['remove'];
    mysqli_query($conn, "DELETE FROM `cart` WHERE id = '$remove_id'");
    header('location:cart.php');
};

if(isset($_GET['delete_all'])){
    mysqli_query($conn, "DELETE FROM `cart`");
    header('location:cart.php');
}

?>

<!DOCTYPE html>
<html lang="en">
<head>
    <link rel="stylesheet" href="../Asset/shop.css">
</head>
<body>
<table border="0" width = "100%" height = "100%">
    <tr >
        <td height="5%" width="15%" align="center">
            
        </td>
        <td align="center" height="5%"width="70%">
            <h1 style="color:SeaGreen;"> </h1> <br>
            <h1 style="color:SeaGreen;"> Green Dhaka </h1>
            <h4 style="color:SeaGreen;"> An initiative of Dhaka City Corporation </h4>
            <p style="color:SeaGreen;"> <b> </b> </p>
        </td>
        <td >
            <table border="0" align="center">
                <tr>
                    <td> 
                    </td>
                    <td align="right">
                        <a href="cusAccount.php"> <?php echo $_SESSION['email']; ?> <a> <br>
                        <a href="cusDashboard.php"> Dashboard <a>
```



Green Dhaka

```

        <a href=" ../Controller/logout.php"> Logout <a>
    </td>
</tr>

</table>

</td>
</tr>
<tr>
    <td colspan="3" align="center" height ="8%">
        <a href="cusGardenregistration.php">Garden Registration</a>
        <a href="cusSolarregistration.php">Solar Panel Request</a>
        <a href="CusNewsFeed.php">News feed</a>
        <a href="cusSubsidiarycalculator.php">Subsidiary Calculator</a>
        <a href="cusEshop.php">E-shop</a>
        <a href="cusDonation.php">Donation</a>
        <a href="cusHiringagardener.php">Hire a Gardener</a>
        <a href="cusExpert.php">Expert opinion</a>
        <a href="cusHomevisit.php">Schedule a Home Visit</a>
        <a href="cusSupport.php">Support</a>
        <a href="cusServiceHistory.php">Service History</a>
        <a href="cusAboutUS.php">About Us</a>
        <a href="FAQ.php">FAQ</a>

    </td>

</tr>
<tr>
<td>

    <div class="container">

        <section class="shopping-cart">

            <h1 class="heading">shopping cart</h1>

            <table>

                <thead>
                    <th>image</th>
                    <th>name</th>
                    <th>price</th>
                    <th>quantity</th>
                    <th>total price</th>
                    <th>action</th>
                </thead>
                <tbody>
                    <?php

                        $select_cart = mysqli_query($conn, "SELECT * FROM `cart`");
                        $grand_total = 0;

                        if (mysqli_num_rows($select_cart) > 0) {
                            while ($fetch_cart = mysqli_fetch_assoc($select_cart)) {
                                $sub_total = $fetch_cart['price'] *

$fetch_cart['quantity'];

                                $grand_total += $sub_total;

```



Green Dhaka

```

        ?>
        <tr>
            <td></td>
            <td><?php echo $fetch_cart['name']; ?></td>
            <td><?php echo $fetch_cart['price']; ?> bdt</td>
            <td>
                <form action="" method="post">
                    <input type="hidden" name="update_quantity_id"
value="<?php echo $fetch_cart['id']; ?>">
                    <input type="number" name="update_quantity"
min="1" value="<?php echo $fetch_cart['quantity']; ?>">
                    <input type="submit" value="update"
name="update_update_btn">
                </form>
            </td>
            <td><?php echo $sub_total; ?> bdt</td>
            <td><a href="cart.php?remove=<?php echo
$fetch_cart['id']; ?>" onclick="return confirm('remove item from cart?')" class="delete-btn">
<i class="fas fa-trash"></i> remove</a></td>
        </tr>
        <?php
        }
    }
    ?>
    <tr class="table-bottom">
        <td><a href="cusEshop.php" class="option-btn" style="margin-
top: 0;">continue shopping</a></td>
        <td colspan="3">grand total</td>
        <td><?php echo $grand_total; ?> bdt</td>
        <td><a href="cart.php?delete_all" onclick="return confirm('are
you sure you want to delete all?');" class="delete-btn"> <i class="fas fa-trash"></i> delete
all </a></td>
    </tr>
</tbody>
</table>
<div class="checkout-btn">
    <a href="checkout.php" class="btn <?=( $grand_total >
1)?':'disabled'; ?>">procced to checkout</a>
</div>
</section>
</div>
</td>
</tr>
<tr height="5%" align="center">
    <td>
        </td>
        <td>
        </td>
        <td>
            <p style="color:white;background-color:SeaGreen;"> Call now : +88017xxxxxxx
Email:greendhaka@gmail.com Address: Kuril,KA,187/0A </p>
        </td>
        <td>
        </td>
    </tr>
</table>
<script src="../Asset/shop.js"></script>
</body>
</html>

```



Green Dhaka

expert.js [javascript, ajax, json]

(dynamically shows expert from table & user can select desired one)

```
document.addEventListener("DOMContentLoaded", function () {
    loadExperts();
});
function loadExperts() {
    var xhr = new XMLHttpRequest();
    xhr.open("GET", "../Controller/get_experts.php", true);
    xhr.onreadystatechange = function () {
        if (xhr.readyState == 4 && xhr.status == 200) {
            var experts = JSON.parse(xhr.responseText);
            var expertSelect = document.getElementById("expert");

            experts.forEach(function (expert) {
                var option = document.createElement("option");
                option.value = expert.id;
                option.text = expert.name;
                expertSelect.add(option);
            });
        }
    };
    xhr.send();
}
function requestAppointment() {
    var expertId = document.getElementById("expert").value;
    var date = document.getElementById("date").value;

    var xhr = new XMLHttpRequest();
    xhr.open("POST", "../Controller/request_appointment.php", true);
    xhr.setRequestHeader("Content-Type", "application/x-www-form-urlencoded");
    xhr.onreadystatechange = function () {
        if (xhr.readyState == 4) {
            var messageContainer = document.getElementById("message");

            if (xhr.status == 200) {
                console.log(xhr.responseText);

                if (xhr.responseText.includes("successfully")) {
                    messageContainer.innerHTML = "Appointment requested successfully!";
                } else {
                    messageContainer.innerHTML = "Error: " + xhr.responseText;
                }
            } else {
                messageContainer.innerHTML = "Error: " + xhr.status + " - " + xhr.statusText;
            }
        }
    };
    xhr.send("expertId=" + expertId + "&date=" + date);
}
```

CO2 and CO4 Evaluation: Project Report Evaluation

Completeness (5)	Validation (5)	Feature Implementation (5)	Concept Understanding (5)	Promptness (5)	Total (25)

