

**American International University- Bangladesh**

**CSC 3215: Web Technologies**

**CO2 and CO4 Evaluation**

**Finished Project Report**

**Spring/Summer/Fall 2020-2021**

**Project Title: Web Based Reservation System**

**Section: F**

|  |  |
| --- | --- |
| Student Name | Student Id |
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**Project Description:**

The main purpose of web based reservation system is to simplify field reservation for playing games. Children and adults face problem in modern days to play in playground due to lack of space. But with our reservation system anyone can reserve a playground before the time which will ensure space for them in the field. Some of its features:

* User will have own account
* Very user friendly UI
* Online 24/7

**There are 2-types of Users here.**

They are:

* Admin
* User

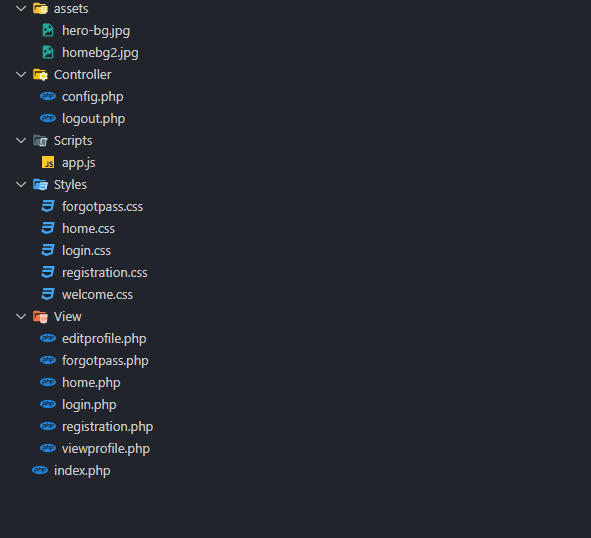
1. In the project the “**Admin**” has following features:

* Add new user
* Delete Existing user
* Edit Existing user information
* Full control of the website

1. In the project the “**User**” has following features:

* User can register to the system
* User can Log In to the system
* Can manipulate their profile information
* Change his password if forgotten

**Project Folder Structure:**

****

**Core Modules of the Project:**

***login.php***

<?php

session\_start();

if(isset($\_SESSION["loggedin"]) && $\_SESSION["loggedin"] === true){

    header("location: home.php");

    exit;

}

require\_once "../Controller/config.php";

$username = $password = "";

$login\_err = "";

if($\_SERVER["REQUEST\_METHOD"] == "POST"){

    if(empty(trim($\_POST["username"]))){

        $login\_err = "Please enter username.";

    } else{

        $username = trim($\_POST["username"]);

    }

    if(empty(trim($\_POST["password"]))){

        $login\_err = "Please enter your password.";

    } else{

        $password = trim($\_POST["password"]);

    }

    if(empty($login\_err) ){

        $sql = "SELECT id, name, password, email, gender FROM users WHERE name = '$username' and password = '$password'";

        $result = mysqli\_query($link,$sql);

        $row=mysqli\_fetch\_row($result);

        $count = mysqli\_num\_rows($result);

        if($count == 1){

            session\_start();

            $\_SESSION["loggedin"] = true;

            $\_SESSION["id"] = $row[0];

            $\_SESSION["username"] = $username;

            $\_SESSION["email"] = $row[3];

            $\_SESSION["gender"] = $row[4];

            header("location: home.php");

            exit;

        }else{

            $login\_err = "Invalid username or password.";

        }

    }

    mysqli\_close($link);

}

?>

<!DOCTYPE html>

<html lang="en">

<html>

<head>

    <title>Login Form Design</title>

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm" crossorigin="anonymous">

    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.14.0/css/all.min.css" integrity="sha512-1PKOgIY59xJ8Co8+NE6FZ+LOAZKjy+KY8iq0G4B3CyeY6wYHN3yt9PW0XpSriVlkMXe40PTKnXrLnZ9+fkDaog==" crossorigin="anonymous" />

    <link rel="stylesheet" href="../Styles/login.css">

</head>

<body>

    <div class="container">

        <div class="myCard">

            <div class="row">

                <div class="col-md-6">

                    <div class="myLeftCtn">

                        <form class="myForm text-center" method="post" action="<?php echo htmlspecialchars($\_SERVER["PHP\_SELF"]);?>" >

                            <header>LOG IN</header>

                            <div class="form-group">

                                <i class="fas fa-user"></i>

                                <input class="myInput" type="text" name="username" value="<?php echo $username;?>" required>

                            </div>

                            <div class="form-group">

                                <i class="fas fa-lock"></i>

                                <input class="myInput" type="password" name="password" value="<?php echo $password;?>" required>

                            </div>

                            <div class="form-group">

                                <label>

                                    <span class="text-danger"><small><?php echo $login\_err;?></small></span>

                                    <a href="forgotpass.php" class="ForgetPwd" value="Login"> <small> Forgot Password?</small></a>

                                </label>

                            </div>

                            <div><input type="submit" class="butt" value="LOG IN"></div>

                            <div><input type="button" class="butt\_reg" value="REGISTER" id="butt\_reg"/></div>

                        </form>

                    </div>

                </div>

                <div class="col-md-6">

                    <div class="myRightCtn">

                            <div class="box"><header>Welcome!</header>

*<!-- <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit,*

*sed do eiusmod tempor incididunt ut labore et dolore magna*

*aliqua. Ut enim ad minim veniam.</p> -->*

*<!-- <input type="button" class="butt\_out" value="Learn More"/> -->*

                            </div>

                    </div>

                </div>

            </div>

        </div>

</div>

<script>

    document.getElementById("butt\_reg").onclick = function(){goToRegisterPage()};

    function goToRegisterPage(){

        window.location.href = "registration.php";

    }

</script>

</body>

</html>

***forgotpass.php***

<?php

session\_start();

if(isset($\_SESSION["loggedin"]) && $\_SESSION["loggedin"] === true){

    header("location: home.php");

    exit;

}

require\_once "../Controller/config.php";

$username = $password = $confirm\_password = "";

$error\_msg ="";

$isExist = $password\_checked =$pass\_needed = false;

if($\_SERVER["REQUEST\_METHOD"] == "POST"){

    if(isset($\_SESSION["fusername"]) && trim($\_POST["password"]) == "hi"){

        session\_unset();

        session\_destroy();

    }

    if(!isset($\_SESSION["fusername"])){

        if(empty(trim($\_POST["username"]))){

            $error\_msg = "Please enter a username. \*";

        } elseif(!preg\_match('/^[a-zA-Z0-9\_]+$/', trim($\_POST["username"]))){

            $error\_msg = "Username can only contain letters, numbers, and underscores. \*";

        } else{

            $username = trim($\_POST["username"]);

            $sql = "SELECT id FROM users WHERE name = '$username'";

            $result = mysqli\_query($link,$sql);

            $count = mysqli\_num\_rows($result);

            if($count == 1){

                $username = trim($\_POST["username"]);

                $isExist = true;

                echo "<script> window.onload = function() {

                    nameExist();

                }; </script>";

                $\_SESSION["fusername"] = $username;

            }else{

                $error\_msg = "No User Found!";

            }

        }

    }else{

        $pass\_needed = true;

    }

    if($pass\_needed == true){

        if(empty(trim($\_POST["password"]))){

            $error\_msg = "Please enter a password. \*";

        } elseif(strlen(trim($\_POST["password"])) < 6){

            $error\_msg = "Password must have atleast 6 characters. \*";

        } else{

            $password = trim($\_POST["password"]);

        }

        if(empty(trim($\_POST["confirm\_password"]))){

            $error\_msg = "Please confirm password. \*";

        } else{

            $confirm\_password = trim($\_POST["confirm\_password"]);

            if($password != $confirm\_password){

                $error\_msg = "Password did not match. \*";

            }else{

                $password\_checked = true;

            }

        }

        if(empty($error\_msg) && $password\_checked){

            $username = htmlspecialchars($\_SESSION["fusername"]);

            $sql = "UPDATE users SET password='$password' WHERE name = '$username'";

            if(mysqli\_query($link,$sql)){

                header("location: ../logout.php");

            }else{

                    echo "Oops! Something went wrong. Please try again later.";

                }

        }

    }

    mysqli\_close($link);

}

?>

<!DOCTYPE html>

<html lang="en">

<html>

<head>

    <title>Registration</title>

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm" crossorigin="anonymous">

    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.14.0/css/all.min.css" integrity="sha512-1PKOgIY59xJ8Co8+NE6FZ+LOAZKjy+KY8iq0G4B3CyeY6wYHN3yt9PW0XpSriVlkMXe40PTKnXrLnZ9+fkDaog==" crossorigin="anonymous" />

    <link rel="stylesheet" href="../Styles/forgotpass.css">

</head>

<body>

    <div class="container">

        <div class="myCard">

                    <div class="myLeftCtn">

                        <form class="myForm text-center" method="post" action="<?php echo htmlspecialchars($\_SERVER["PHP\_SELF"]);?>" >

                            <header>Forgot Password?</header>

                            <div class="form-group" id="uname">

                                <i class="fas fa-user"></i>

                                <input class="myInput" id="unameinput" type="text" name="username"  placeholder="UserName" required>

                            </div>

                            <div class="form-group" id="pass">

                                <i class="fas fa-lock"></i>

                                <input class="myInput" id="passinput" type="password" name="password" value="hi"  placeholder="Password" required>

                            </div>

                            <div class="form-group" id="cpass">

                                <i class="fas fa-shield-alt"></i>

                                <input class="myInput" id="cpassinput" type="password" name="confirm\_password" value="chi"  placeholder="Confirm Password" required>

                            </div>

                            <div class="form-group">

                            <span class="text-danger" id="errortext"><small><?php echo $error\_msg;?></small></span>

                            </div>

                            <div><input type="submit" class="butt" value="NEXT" id="formsubmit"></div>

                            <div><input type="button" class="butt\_reg" value="LOG IN" id="butt\_reg"/></div>

                        </form>

                    </div>

        </div>

</div>

<script>

    document.getElementById("butt\_reg").onclick = function(){goToRegisterPage()};

*// document.getElementById("formsubmit").onclick = function(){nameExist()};*

    function nameExist(){

        var isExist = '<?=$isExist?>';

        console.log("here we are");

        if(isExist){

            console.log("here = are");

            document.getElementById("formsubmit").value = "SUBMIT";

            var x = document.getElementById("pass");

            var z = document.getElementById("cpass");

            var y = document.getElementById("uname");

            var u = document.getElementById("errortext");

            var pass = document.getElementById("passinput");

            var cpass = document.getElementById("cpassinput");

            var unamei = document.getElementById("unameinput");

            pass.value = "<?php echo $password;?>";

            cpass.value = "<?php echo $confirm\_password;?>";

            pass.name = "password";

            cpass.name = "confirm\_password";

            unamei.value = "<?php echo htmlspecialchars($\_SESSION["fusername"]); ?>"

*// unamei.disabled = true;*

            y.style.display = "none";

            x.style.display = "block";

            z.style.display = "block";

            u.style.display = "inline";

            console.log(" are");

        }

    }

    function goToRegisterPage(){

        window.location.href = "login.php";

    }

</script>

</body>

</html>

***registration.php***

<?php

session\_start();

if(isset($\_SESSION["loggedin"]) && $\_SESSION["loggedin"] === true){

    header("location: home.php");

    exit;

}

require\_once "../Controller/config.php";

$username = $password = $confirm\_password = $email = $gender = "";

$error\_msg ="";

if($\_SERVER["REQUEST\_METHOD"] == "POST"){

    if(empty(trim($\_POST["username"]))){

        $error\_msg = "Please enter a username. \*";

    } elseif(!preg\_match('/^[a-zA-Z0-9\_]+$/', trim($\_POST["username"]))){

        $error\_msg = "Username can only contain letters, numbers, and underscores. \*";

    } else{

        $username = trim($\_POST["username"]);

        $sql = "SELECT id FROM users WHERE name = '$username'";

        $result = mysqli\_query($link,$sql);

        $count = mysqli\_num\_rows($result);

        if($count == 1){

            $error\_msg = "This username is already taken. \*";

        }else{

            $username = trim($\_POST["username"]);

        }

    }

    if(empty($\_POST["email"])) {

        $error\_msg = "Email is required \*";

    }

    else

    {

        $email = trim($\_POST["email"]);

        if (!filter\_var($email, FILTER\_VALIDATE\_EMAIL)) {

        $error\_msg = "Email format is not corrent \*";

    }

    }

    if(!isset($\_POST["gender"]))

    {

        $error\_msg="Select your gender \*";

    }else{

        $gender = trim($\_POST["gender"]);

    }

    if(empty(trim($\_POST["password"]))){

        $error\_msg = "Please enter a password. \*";

    } elseif(strlen(trim($\_POST["password"])) < 6){

        $error\_msg = "Password must have atleast 6 characters. \*";

    } else{

        $password = trim($\_POST["password"]);

    }

    if(empty(trim($\_POST["confirm\_password"]))){

        $error\_msg = "Please confirm password. \*";

    } else{

        $confirm\_password = trim($\_POST["confirm\_password"]);

        if(empty($password\_err) && ($password != $confirm\_password)){

            $error\_msg = "Password did not match. \*";

        }

    }

    if(empty($error\_msg)){

        $sql = "INSERT INTO users (name, password, gender, email) VALUES ('$username', '$password', '$gender', '$email')";

        if(mysqli\_query($link,$sql)){

            header("location: login.php");

        }else{

                echo "Oops! Something went wrong. Please try again later.";

            }

    }

    mysqli\_close($link);

}

?>

<!DOCTYPE html>

<html lang="en">

<html>

<head>

    <title>Registration</title>

    <meta name="viewport" content="width=device-width, initial-scale=1.0">

    <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.0.0/css/bootstrap.min.css" integrity="sha384-Gn5384xqQ1aoWXA+058RXPxPg6fy4IWvTNh0E263XmFcJlSAwiGgFAW/dAiS6JXm" crossorigin="anonymous">

    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/5.14.0/css/all.min.css" integrity="sha512-1PKOgIY59xJ8Co8+NE6FZ+LOAZKjy+KY8iq0G4B3CyeY6wYHN3yt9PW0XpSriVlkMXe40PTKnXrLnZ9+fkDaog==" crossorigin="anonymous" />

    <link rel="stylesheet" href="../Styles/registration.css">

</head>

<body>

    <div class="container">

        <div class="myCard">

            <div class="row">

                <div class="col-md-6">

                    <div class="myLeftCtn">

                        <form class="myForm text-center" method="post" action="<?php echo htmlspecialchars($\_SERVER["PHP\_SELF"]);?>" >

                            <header>REGISTRATION</header>

                            <div class="form-group">

                                <i class="fas fa-user"></i>

                                <input class="myInput" type="text" name="username" placeholder="UserName" value="<?php echo $username;?>" onkeyup="checkUserName(this.value)" required>

                                <i class="" id="validatorun"></i>

                            </div>

                            <div class="form-group">

                                <i class="fas fa-envelope"></i>

                                <input class="myInput" placeholder="Email" type="text" name="email" value="<?php echo $email;?>" id="email" onkeyup="checkemail(this.value)" required>

                                <i class="" id="validatoremail"></i>

                            </div>

                            <div class="form-group">

                                <i class="fas fa-lock"></i>

                                <input class="myInput" type="password" name="password" placeholder="Password" value="<?php echo $password;?>" required>

                            </div>

                            <div class="form-group">

                                <i class="fas fa-shield-alt"></i>

                                <input class="myInput" type="password" name="confirm\_password" placeholder="Confirm Password" value="<?php echo $confirm\_password;?>" required>

                            </div>

                            <div class="form-group">

*<!-- <label for="gender"> <small> Gender :</small></label><br> -->*

                                <input class="checkmark"  type="radio" name="gender"<?php if(isset($gender) && $gender=="female") echo "checked";?> value="female" require>&ensp; Female &ensp;

                                <input class="checkmark" type="radio" name="gender" <?php if (isset($gender) && $gender=="male") echo "checked";?> value="male" require>&ensp; Male

                            </div>

                            <label>

                                <span class="text-danger"><small><?php echo $error\_msg;?></small></span>

                            </label>

                            <div><input type="submit" class="butt" value="REGISTER"></div>

                            <div><input type="button" class="butt\_reg" value="LOG IN" id="butt\_reg"/></div>

                        </form>

                    </div>

                </div>

                <div class="col-md-6">

                    <div class="myRightCtn">

                            <div class="box"><header>Welcome!</header>

*<!-- <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit,*

*sed do eiusmod tempor incididunt ut labore et dolore magna*

*aliqua. Ut enim ad minim veniam.</p> -->*

*<!-- <input type="button" class="butt\_out" value="Learn More"/> -->*

                            </div>

                    </div>

                </div>

            </div>

        </div>

</div>

<script>

    document.getElementById("butt\_reg").onclick = function(){goToRegisterPage()};

    function goToRegisterPage(){

        window.location.href = "login.php";

    }

    function checkUserName(str) {

        if (str.length == 0) {

            document.getElementById("validatorun").className = "";

            return;

        }

        const xhttp = new XMLHttpRequest();

        xhttp.onload = function() {

            x = document.getElementById("validatorun");

            x.className = this.responseText;

            x.style.left = "0";

            x.style.color = "#ff0000";

        }

        xhttp.open("GET", "../Controller/checkusername.php?q="+str);

        xhttp.send();

    }

    function checkemail(str) {

        if (str.length == 0) {

            document.getElementById("validatoremail").className = "";

            return;

        }else{

            x = document.getElementById("validatoremail");

            e = document.getElementById("email");

            var validRegex = /^[a-zA-Z0-9.!#$%&'\*+/=?^\_`{|}~-]+@[a-zA-Z0-9-]+(?:\.[a-zA-Z0-9-]+)\*$/;

            if (!str.match(validRegex)) {

            e.focus();

            x.className = "fas fa-exclamation-circle";

            x.style.left = "0";

            x.style.color = "#E9E51B";

            }

        }

    }

</script>

</body>

</html>