

**American International University- Bangladesh**

**CSC 3215: Web Technologies**

**CO2 and CO4 Evaluation**

**Finished Project Report**

**Spring 2020-2021**

Project Title: E-Learning

Section: I

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| --- | --- |
| Student Name | Student Id |
| TOFAYET SULTAN | **19-40385-1** |
| AHMAD ZAMIL | **19-40400-1** |
| NUSRAT JAHAN | **19-40355-1** |
| MD EMRUL HASAN EMON | **19-40357-1** |

**Project Description:**

Nowadays popularity of online education is very high and day by day it’s become more popular to the student of our country. Beside in covid situation we realized that there is no such a better way for education which can possible from anywhere just by using the advantages of internet. At present some online learning platform are available but they didn’t able to serve enough feature from one place for different type of students this is why we are going to cover these things as much as possible. There will be many beneficial features of this project. By using this website a student and experienced instructor will be benefitted mostly. The students will be able to enjoy free recorded classes which will be conduct by some of the experienced people related to the course. If they need private tutor they can find and discuss about their problem by paying fixed amount of money. Which help other students to earn some money by sharing knowledge. All together we can say that a student can learn for free or by paying money, share knowledge and earn money from one place which is the main impact of this project. Main functionalities of this project for different user-

Admin: An admin will be able to add instructor so that they can upload course materials, verify instructor and student profile, remove their profile, manipulate courses information.

Instructor: If any of the instructor inserted by the admin then they will allow to upload course material, notes and write blog related to different course. Beside they will allow to edit course information and watch courses.

Student: A student has to register first and accept terms and conditions to enjoy each of the feature. After registration a student will allow to watch video, note and blog of different courses. Student can give review/comment of different courses.

Private tutor: Private tutor will allow to watch video, note and blog of different courses. Private tutor can see the student list who has registered to hire time.

**Project Folder Structure:**

Asset

studentSearchmodel.php

studentSearch\_view.php

viewProfile\_view.php

registration\_view.php

logout\_view.php

login\_view.php

I-top.php

I-link.php

home\_view.php

forgotPassword\_view.php

footer.php

editProfile\_view.php

dashboard\_view.php

changePassword\_view.php

viewProfile\_controller.php

registration\_controller.php

logout\_controller.php

login\_controller.php

editProfile\_controller.php

dashboard\_controller.php

changePassword\_controller.php

JS

View

Controller

model.php

db\_connect.php

CSS

Model

LEARNING CS

**Core Modules of the Project**

**model.php**

<?php

require\_once 'db\_connect.php';

function addInstructor($data){

$conn = db\_conn();

$selectQuery = "INSERT into instructor (Username, Password, Name, Email, ContactNo)

VALUES (:username, :password, :name, :email, :contactno)";

try{

$stmt = $conn->prepare($selectQuery);

$stmt->execute([

':username' => $data['username'],

':password' => $data['password'],

':name' => $data['name'],

':email' => $data['email'],

':contactno' => $data['contactno']

]);

}catch(PDOException $e){

echo $e->getMessage();

}

$conn = null;

return true;

}

function searchUsername($username){

$conn = db\_conn();

$selectQuery = "SELECT \* FROM `instructor` WHERE Username = '$username'";

try{

$stmt = $conn->query($selectQuery);

}catch(PDOException $e){

echo $e->getMessage();

}

$rows = $stmt->fetchAll(PDO::FETCH\_ASSOC);

return $rows;

}

function showData($columnName)

{

$conn = db\_conn();

$selectQuery = "SELECT \* FROM `instructor` where username = ?";

try {

$stmt = $conn->prepare($selectQuery);

$stmt->execute([$columnName]);

} catch (PDOException $e) {

echo $e->getMessage();

}

$row = $stmt->fetch(PDO::FETCH\_ASSOC);

return $row;

}

function updateProfile($username, $data){

$conn = db\_conn();

$selectQuery = "UPDATE `instructor` set name = ?, email = ?, contactno=? where username=?";

try{

$stmt = $conn->prepare($selectQuery);

$stmt->execute([

$data['name'], $data['email'],$data['contactno'],$username

]);

}catch(PDOException $e){

echo $e->getMessage();

}

$conn = null;

return true;

}

function updatePassword($username, $password){

$conn = db\_conn();

$selectQuery = "UPDATE instructor set Password = '$password' where Username = '$username'";

try{

$stmt = $conn->query($selectQuery);

}catch(PDOException $e){

echo $e->getMessage();

}

$conn = null;

return true;

}

?>

**registration\_controller.php**

<?php

session\_start();

require\_once '../model/model.php';

if (isset($\_POST['submit'])) {

$username=$password="";

$name = $email = $contactno="";

$confirmpassword="";

$flag=1;

function test\_input($data) {

$data = trim($data);

$data = stripslashes($data);

$data = htmlspecialchars($data);

return $data;

}

if (empty($\_POST["name"])) {

$\_SESSION['nameEr']= "Name is required";

$flag=0;

} else {

$name = test\_input($\_POST["name"]);

if (!preg\_match("/^[a-zA-Z-. ]\*$/",$name)) {

$\_SESSION['nameEr']= "Here only letters and white space allowed";

$flag=0;

}

else {

if(str\_word\_count($name)<2)

{

$\_SESSION['nameEr']= "Name have to contains at least two words ";

$flag=0;

}

}

}

if (empty($\_POST["email"])) {

$\_SESSION['emailErr']= "Email is required";

$flag=0;

} else {

$email = test\_input($\_POST["email"]);

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

$\_SESSION['emailErr']= "Email format is not valid";

$flag=0;

}

}

if (empty($\_POST["contactno"])) {

$\_SESSION['contactnoErr'] ="Contact number is required";

$flag=0;

} else {

$contactno=test\_input($\_POST["contactno"]);

}

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

$\_SESSION['usernameErr']= "Username is required";

$flag=0;

}

else {

$username = test\_input($\_POST["username"]);

if (!preg\_match("/^[a-zA-Z-. ]\*$/",$username)) {

$\_SESSION['usernameErr']= "Only letters and white space allowed";

$flag=0;

}

else {

if(strlen($username)<2)

{

$\_SESSION['usernameErr']= "Name have to contains at least two character ";

$flag=0;

}

}

}

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

{

$\_SESSION['passwordEr']= "Password is required";

$flag=0;

}

else {

$password=test\_input($\_POST["password"]);

if(strlen($password)<8)

{

$\_SESSION['passwordEr']= "Password can not be less than eight (8) characters";

$flag=0;

}

else {

if(substr\_count($password,"@")<1 || substr\_count($password,"#")<1 || substr\_count($password,"%")<1 || substr\_count($password,"$")<1)

{

$\_SESSION['passwordEr']= "Password have to contain at least one of the special characters%$#@";

$flag=0;

}

}

}

if(empty($\_POST["confirmpassword"]))

{

$\_SESSION['cpasswordErr']= "Confirm Password is required";

$flag=0;

}

else {

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

{

$\_SESSION['passwordErr']= "Password is required";

$flag=0;

}

else {

$confirmpassword=test\_input($\_POST["confirmpassword"]);

if(strcmp($password,$confirmpassword))

{

$\_SESSION['cpasswordErr']= "Password and confirm password have to be same";

$flag=0;

}

}

}

if($flag==1)

{

$data['name'] = $\_POST['name'];

$data['email'] = $\_POST['email'];

$data['username'] = $\_POST['username'];

$data['contactno'] = $\_POST['contactno'];

$data['password'] = $\_POST['password'];

if (addInstructor($data)) {

session\_destroy();

header('Location: ../login\_view.php');

}

else {

echo 'Could not add!!';

}

}

else{

header('Location: ../registration\_view.php');

}

}else {

echo "You can not access this page!!";

}

?>

**login\_controller.php**

<?php

session\_start();

require\_once '../model/model.php';

$name=$password="";

$nameErr=$passwordErr="";

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

{

function test\_input($data) {

$data = trim($data);

$data = stripslashes($data);

$data = htmlspecialchars($data);

return $data;

}

if (empty($\_POST["name"])) {

$\_SESSION['nameErr'] = "Username is required";

}

else {

$name = test\_input($\_POST["name"]);

if (!preg\_match("/^[a-zA-Z-. ]\*$/",$name)) {

$\_SESSION['nameErr'] = "Only letters & white space allowed";

}

else {

if(strlen($name)<2)

{

$\_SESSION['nameErr'] = "Username must contains at least two character ";

}

else {

$\_SESSION['nameErr']="";

}

}

}

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

{

$\_SESSION['passwordErr'] = "Password is required";

header('Location: ../login\_view.php');

}

else {

$password=test\_input($\_POST["password"]);

if(strlen($password)<8)

{

$\_SESSION['passwordErr']="Password can not be less than eight characters";

}

else {

if(substr\_count($password,"@")<1 || substr\_count($password,"#")<1 || substr\_count($password,"%")<1 || substr\_count($password,"$")<1)

{

$\_SESSION['passwordErr']="Password have to contain at least one of the special characters-%$#@";

}

else {

$\_SESSION['passwordErr']="";

}

}header('Location: ../login\_view.php');

}

if (!empty($\_POST["name"]) && !empty($\_POST["password"]))

{

try {

$username=$\_POST["name"];

$password=$\_POST["password"];

$data = searchUsername($username);

if($data!=NULL)

{

foreach ($data as $i => $user):

$passwordDB= $user['Password'] ;

$\_SESSION['nameDB']= $user['Name'] ;

$\_SESSION['idDB']= $user['IID'] ;

$\_SESSION['emailDB']= $user['Email'] ;

$\_SESSION['contactnoDB']= $user['ContactNo'] ;

$\_SESSION['usernameDB']= $user['Username'] ;

endforeach;

if($password==$passwordDB)

{

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

header('Location: ../dashboard\_view.php');

}

else {

$\_SESSION['passwordErr']= "Incorrect Password";

header('Location: ../login\_view.php');

}

}else {

$\_SESSION['nameErr']= "Incorrect username";

header('Location: ../login\_view.php');

}

} catch (Exception $ex) {

echo $ex->getMessage();

}

}

}

else {

echo "You are not allowed to access this page";

}

?>