



# American International University- Bangladesh

## CSC 3215: Web Technologies

### CO2 and CO4 Evaluation Finished Project Report Spring 2019-2020

**Project Title:** Ecommerce Based Web Application

**Section: B**

Student Name	Student Id
MUSHRIF MAHEEN MUGDHA	17-35403-3
FATEMA TUJ JOHURA	18-37537-1
ARIFUL ISLAM	18-37545-1
IQBAL HOSSAIN	17-34761-2

# Ecommerce-Based Web Application

## Project Description:

Ecommerce or electronic commerce refers to a business model that involves sales transactions being done on the web. Virtually every online shopping website- big or small - follows this structure. Any site where you can obtain items for sale over the internet is considered an ecommerce website. Our proposed project is also based on E-commerce. Of course, online buying and selling were already a thing before, but because of these companies, e-commerce website became an easier and more preferred platform to a lot of consumers. It is still evident up to this day, but developers come up with solutions to better people's shopping experience. Examples of these solutions are reviews, return policy, and cash on delivery. These features help consumers decide if they should purchase items from an e-commerce website or not. One of the obvious differences between an ecommerce website and an ordinary business or company website is in the features that it supports. A company website may just house information on the brand's product and services so users will need to contact the company directly if they want to do business with them. Meanwhile, an ecommerce website works pretty much like how a physical store works. Users can purchase items, arrange for delivery and payments on the same site without the need to call a human person to help them with their order.

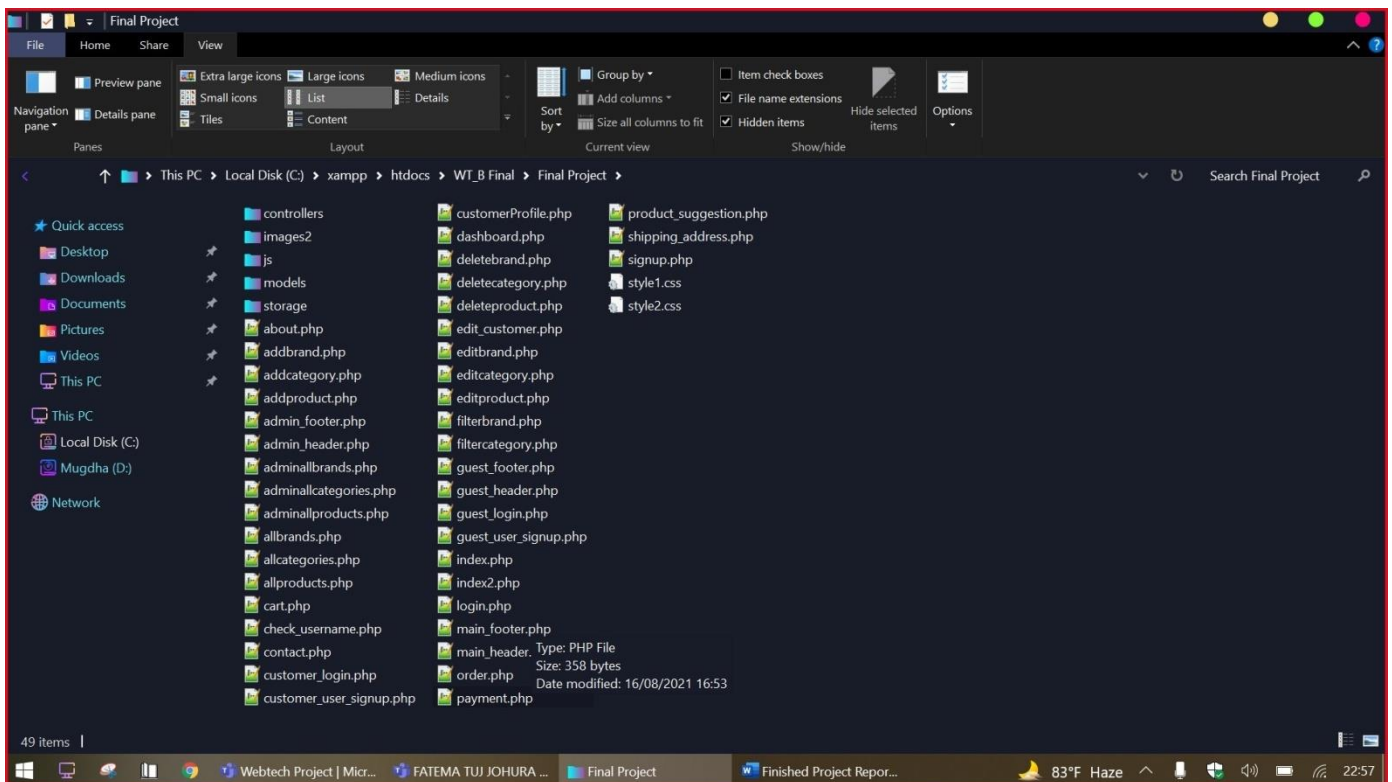
## Functionalities And Features:

1. Admin: Admin can login and sign up to the system. She/he can insert, update and delete products, product categories, brands. Admin also can control customer's access.
2. Customer: Customer can login and sign up to the system. Customer can view products and can filter products by brands and categories. Customer also can select product to cart, order products and purchase products.
3. Guest users: Guest can login and sign up to the system. He/she can view products and can filter products by brands and categories. But guest can't select product to cart, order products and purchase products. If he/she want to order or purchase product then he/she have to sign up to the system



# Ecommerce-Based Web Application

## Project Folder Structure:



## Core Modules of the Project:

### *ProductController.php*

```
<?php
require_once "models/db_config.php";
$name="";
$err_name="";
$price="";
$err_price="";
$qty="";
$err_qty="";
$desc="";
$err_desc="";
$cat="";
$err_cat="";
$brand="";
$err_brand="";
$db_err="";
$err_db="";
if(isset($_POST["add_product"])){
    if(empty($_POST["name"])){
        $err_name="Name Required";
        $hasError=true;
    }else{
        $name=$_POST["name"];
    }

    if(!isset($_POST["c_id"])){
```



## Ecommerce-Based Web Application

```
$err_cat = "Category Required";
$hasError = true;
}
else{
    $cat = $_POST["c_id"];
}

if(!isset($_POST["brand_id"])){
    $err_brand = "Brand Required";
    $hasError = true;
}
else{
    $brand = $_POST["brand_id"];
}

if(empty($_POST["price"])){
    $err_price="Price Required";
    $hasError=true;
}else{
    $price=$_POST["price"];
}
if(empty($_POST["qty"])){
    $err_qty="Quantity Required";
    $hasError=true;
}else{
    $qty=$_POST["qty"];
}
if(empty($_POST["desc"])){
    $err_desc="Description Required";
    $hasError=true;
}else{
    $desc=$_POST["desc"];
}
$fileType =
strtolower(pathinfo(basename($_FILES["p_image"]["name"]),PATHINFO_EXTENSION));
$file = "storage/product_images/".uniqid().".$fileType";
move_uploaded_file($_FILES["p_image"]["tmp_name"],$file);

if(!$hasError){
    $rs =
insertProduct($name,$_POST["c_id"],$price,$qty,$desc,$file,$_POST["brand_id"]);
    if($rs === true){
        header("Location: allproducts.php");
    }
    $err_db = $rs;}
}
```



## Ecommerce-Based Web Application

```
else if (isset($_POST["delete_product"])){

    $rs = deleteProduct();
    if($rs === true){
        header("Location: adminallproducts.php");
    }
    $db_err = $rs;
}

function insertProduct($name,$c_id,$price,$qty,$desc,$img,$brand_id){
    $query = "insert into products values
(NULL, '$name', $c_id, $price, $qty, '$desc', '$img', '$brand_id')";
    return execute($query);
}
function updateProduct($name,$c_id,$price,$qty,$desc,$img,$id){
    $query = "update products set name='$name', c_id=$c_id, price=$price,
qty=$qty, description='$desc' where id=$id";
    return execute($query);
}

function getProducts(){
    $query = "SELECT p.*,c.name as c_name ,b.name as b_name FROM `products`
p left join categories c on c.id=p.c_id left join brand b on b.id=p.brand_id ";
    $rs = get($query);
    return $rs;
}

function getProduct($id){
    $query = "select * from products where id = $id";
    $rs = get($query);
    return $rs[0];
}
function search($key){
    $query = "select p.id,p.name from products p left join categories c
on c.id = p.c_id where p.name like '%$key%' or c.name like '%$key%'";
    $rs = get($query);
    return $rs;
}
function getProductsCategory(){
    $id=$_GET['id'];
    $query = "SELECT * FROM `products` WHERE c_id=$id";
    $rs = get($query);
    return $rs;
}
function getProductsBrand(){
    $id=$_GET['id'];
```



## Ecommerce-Based Web Application

```
$query = "SELECT * FROM `products` WHERE brand_id=$id";
$rs = get($query);
return $rs;
}
function deleteProduct(){
    $id= $_GET["id"];
    $query = "DELETE FROM `products` WHERE `id` = $id";
    return execute($query);
}

?>
```

### UserController.php

```
<?php
require_once 'models/db_config.php';
$name="";
$err_name="";
$username="";
$err_username="";
$email="";
$err_email="";
$pass="";
$err_pass="";
$err_db="";
$hasError=false;
if(isset($_POST["sign_up"])){
    if(empty($_POST["name"])){
        $err_name="Name Required";
        $hasError=true;
    }else{
        $name=$_POST["name"];
    }
    if(empty($_POST["uname"])){
        $err_username="Username Required";
        $hasError=true;
    }else{
        $uname=$_POST["uname"];
    }
    if(empty($_POST["email"])){
        $err_email="Email Required";
        $hasError=true;
    }else{
        $email=$_POST["email"];
    }
    if(empty($_POST["pass"])){
        $err_pass="Pasword Required";
        $hasError=true;
    }else{
```



## Ecommerce-Based Web Application

```
$pass=$_POST["pass"];
}

if(!$hasError){
    $rs = insertUser($name,$uname,$email,$pass);
    //var_dump($rs);
    if($rs === true){
        header("Location: login.php");
    }
    $err_db = $rs;
}

}
else if (isset($_POST["btn_login"])){
    if(empty($_POST["uname"])){
        $err_uname="Username Required";
        $hasError=true;
    }else{
        $uname=$_POST["uname"];
    }
    if(empty($_POST["pass"])){
        $err_pass="Password Required";
        $hasError=true;
    }else{
        $pass=$_POST["pass"];
    }
    if(!$hasError){

        if($user = authenticateUser($_POST["uname"],$_POST["pass"])){
            session_start();
            $_SESSION["loggeduser"] = $_POST["uname"];
            //if($user["status"] == "active" &&
$user["type"]=="admin")
                header("Location: dashboard.php");
            //else if($user["status"] == "active" &&
$user["type"]=="user"){
                //header("Location: user_dashboard.php");
            //}

            $err_db = "Username password invalid";
        }
    }

}

function validateEmail($email){
    $pos_at = strpos($email,"@");
    $pos_dot = strpos($email,".",$pos_at);
    if($pos_dot > $pos_at){
```



## Ecommerce-Based Web Application

```
        return true;
    }
    return false;
}

function insertUser($name,$uname,$email,$pass){
    $query = "insert into users values
(NULL,'$name','$uname','$email','$pass')";
    return execute($query);
}

function authenticateUser($uname,$pass){
    $query = "select * from users where username='$uname' and
password='$pass'";
    $rs = get($query);
    if(count($rs)>0){
        return $rs[0];
    }
    return false;
}

function checkUsername($uname){
    $query = "select name from users where username='$uname'";
    $rs = get($query);
    if(count($rs) > 0){
        return true;
    }
    else return false;
}

?>
```

### GuestController.php

```
<?php
require_once 'models/db_config.php';
$name="";
$err_name="";
$uname="";
$err_uname="";
$email="";
$err_email="";
$pass="";
$err_pass="";
$err_db="";
$hasError=false;
if(isset($_POST["sign_up"])){
    if(empty($_POST["name"])){
        $err_name="Name Required";
        $hasError=true;
    }
}
```





## Ecommerce-Based Web Application

```
}else{
    $name=htmlspecialchars($_POST["name"]);
}
if(empty($_POST["uname"])){
    $err_uname="Username Required";
    $hasError=true;
}else{
    $uname=$_POST["uname"];
}
if(empty($_POST["email"])){
    $err_email="Email Required";
    $hasError=true;
}else{
    $email=$_POST["email"];
}
if(empty($_POST["pass"])){
    $err_pass="Pasword Required";
    $hasError=true;
}else{
    $pass=$_POST["pass"];
}

if(!$hasError){
    $rs = insertUser($name,$uname,$email,$pass);
    //var_dump($rs);
    if($rs === true){
        header("Location:guest_login.php");
    }
    $err_db = $rs;
}
}
else if (isset($_POST["btn_login"])){
    if(empty($_POST["uname"])){
        $err_uname="Username Required";
        $hasError=true;
    }else{
        $uname=$_POST["uname"];
    }
    if(empty($_POST["pass"])){
        $err_pass="Password Required";
        $hasError=true;
    }else{
        $pass=$_POST["pass"];
    }
    if(!$hasError){
        if($user = authenticateUser($_POST["uname"],$_POST["pass"])){
```



## Ecommerce-Based Web Application

```
        session_start();
        $_SESSION["loggeduser"] = $_POST["uname"];
        //if($user["status"] == "active" &&
$user["type"]=="admin")
            header("Location: allproducts.php");
        //else if($user["status"] == "active" &&
$user["type"]=="user"){
            //header("Location: user_dashboard.php");
        //}

    }
    $err_db = "Username password invalid";
}

function validateEmail($email){
    $pos_at = strpos($email,"@");
    $pos_dot = strpos($email,".", $pos_at);
    if($pos_dot > $pos_at){
        return true;
    }
    return false;
}

function insertUser($name,$uname,$email,$pass){
    $query = "insert into guest_user values
(NULL,'$name','$uname','$email','$pass)";
    return execute($query);
}

function authenticateUser($uname,$pass){
    $query = "select * from guest_user where username='$uname' and
password='$pass'";
    $rs = get($query);
    if(count($rs)>0){
        return $rs[0];
    }
    return false;
}

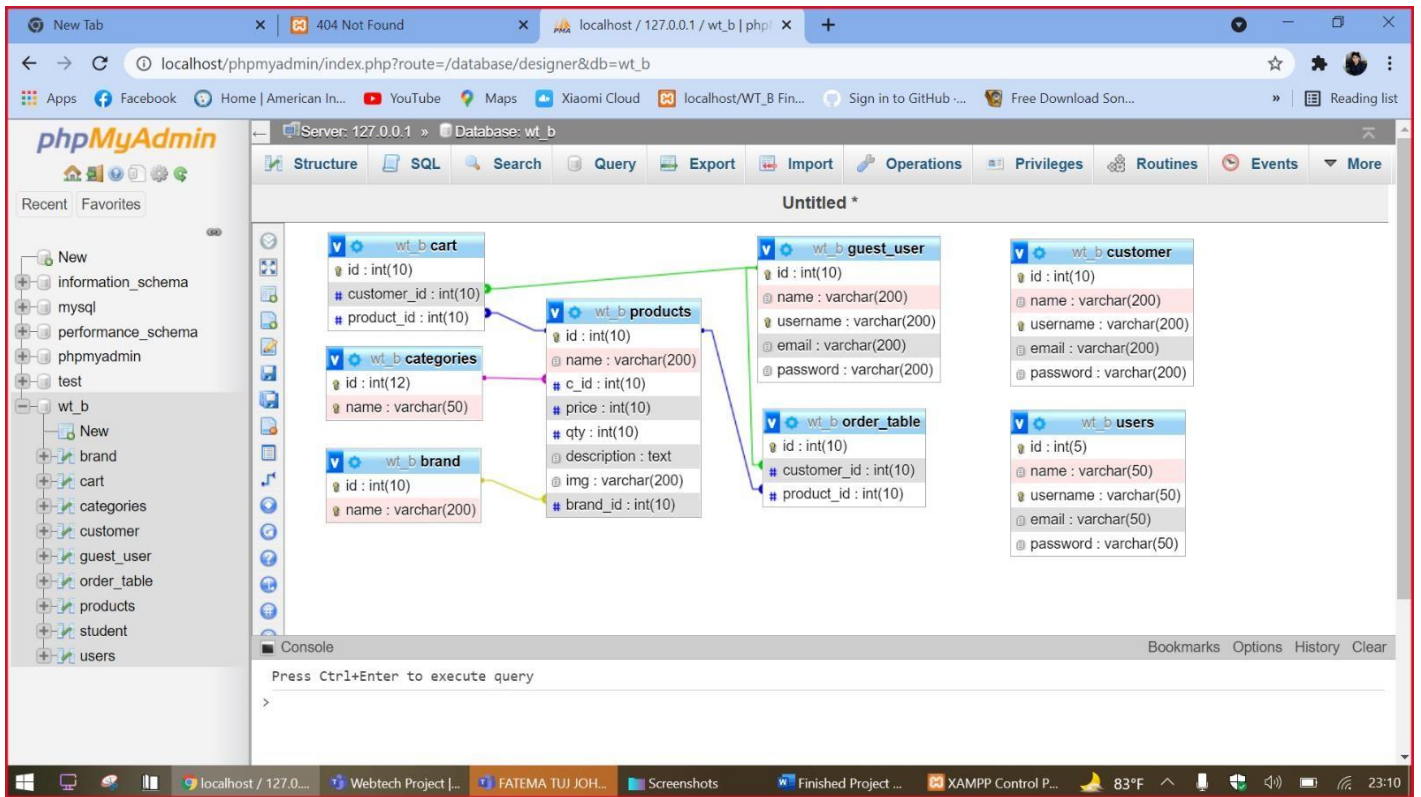
function checkUsername($uname){
    $query = "select name from guest_user where username='$uname'";
    $rs = get($query);
    if(count($rs) > 0){
        return true;
    }
    else return false;
}

?>
```



# Ecommerce-Based Web Application

## Database Schema:



## CO2 and CO4 Evaluation: Project Report Evaluation

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

