



# El Fankosh

A summer training project submitted in partial fulfillment of the requirements for the degree of Bachelor of Computers and Informatics.

## 2<sup>st</sup> Year Students Summer Training

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We hereby certify that this project, submitted by the project teamwork, conforms to acceptable standards and is fully adequate in scope and quality to fulfill the seminar requirements for the degree of Bachelor of Computers and Informatics.

**Discussion Committee:**

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## **Abstract**

In today's fast-changing business environment, it's extremely important to be able to respond to client needs in the most effective and timely manner. If your customers wish to see your business online and have instant access to your products or services.

Online Shopping is a lifestyle e-commerce web application, which retails various fashion and lifestyle products (Currently Men's Wear). This project allows viewing various products available enables registered users to purchase desired products instantly using PayPal payment processor (Instant Pay) and also can place order by using Cash on Delivery (Pay Later) option. This project provides an easy access to Administrators and Managers to view orders placed using Pay Later and Instant Pay options.

In order to develop an e-commerce website, a number of Technologies must be studied and understood. These include multi-tiered architecture, server and client side scripting techniques, implementation technologies such as Larvel, programming language (such as PHP) and relational databases. This is a project with the objective to develop a basic website where a consumer is provided with a shopping cart application and also to know about the technologies used to develop such an application.

This document will discuss each of the underlying technologies to create and implement an e-commerce website.

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## Introduction

E-commerce is fast gaining ground as an accepted and used business paradigm. More and more business houses are implementing web sites providing functionality for performing commercial transactions over the web. It is reasonable to say that the process of shopping on the web is becoming commonplace.

The objective of this project is to develop a general purpose e-commerce store where product like clothes can be bought from the comfort of home through the Internet. However, for implementation purposes, this paper will deal with an online shopping for clothes.

An online store is a virtual store on the Internet where customers can browse the catalog and select products of interest. The selected items may be collected in a shopping cart. At checkout time, the items in the shopping cart will be presented as an order. At that time, more information will be needed to complete the transaction. Usually, the customer will be asked to fill or select a billing address, a shipping address, a shipping option, and payment information such as credit card number. An e-mail notification is sent to the customer as soon as the order is placed.

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## 2.0 OVERALL DESCRIPTION:

### 2.1Description:

- Any member can register and view available products.
- Only registered member can purchase multiple products regardless of quantity.
- ContactUs page is available to contact Admin for queries.
- There are three roles available: Visitor, User and Admin.
  - Visitor can view available products.
  - User can view and purchase products.
  - An Admin has some extra privilege including all privilege of visitor and user.
    - ✓ Admin & User can add products, edit product information and add/removeproduct.
    - ✓ Admin can add user, edit user information and can remove user.
    - ✓ Admin can ship order to user based on order placed by sendingconfirmation mail.

## 2.2 Using the code:

1. Attach the database in your "SQL Express".
2. Run the application on Microsoft Visual Studio as web site.
3. Locate the database.

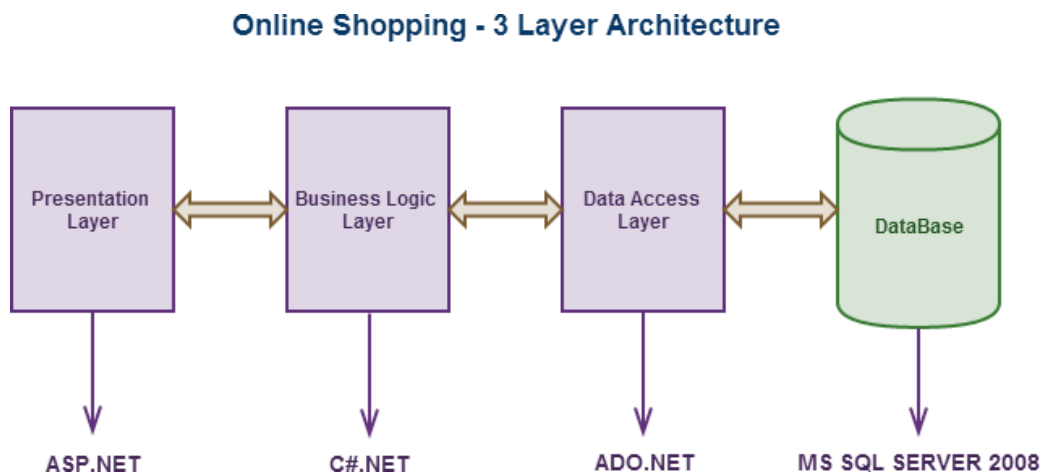
## 2.3 MasterPage details:

- OnlineShopping Master Page (Similar MasterPage for Visitor, User and Admin)

## 2.4 Web Pages details:

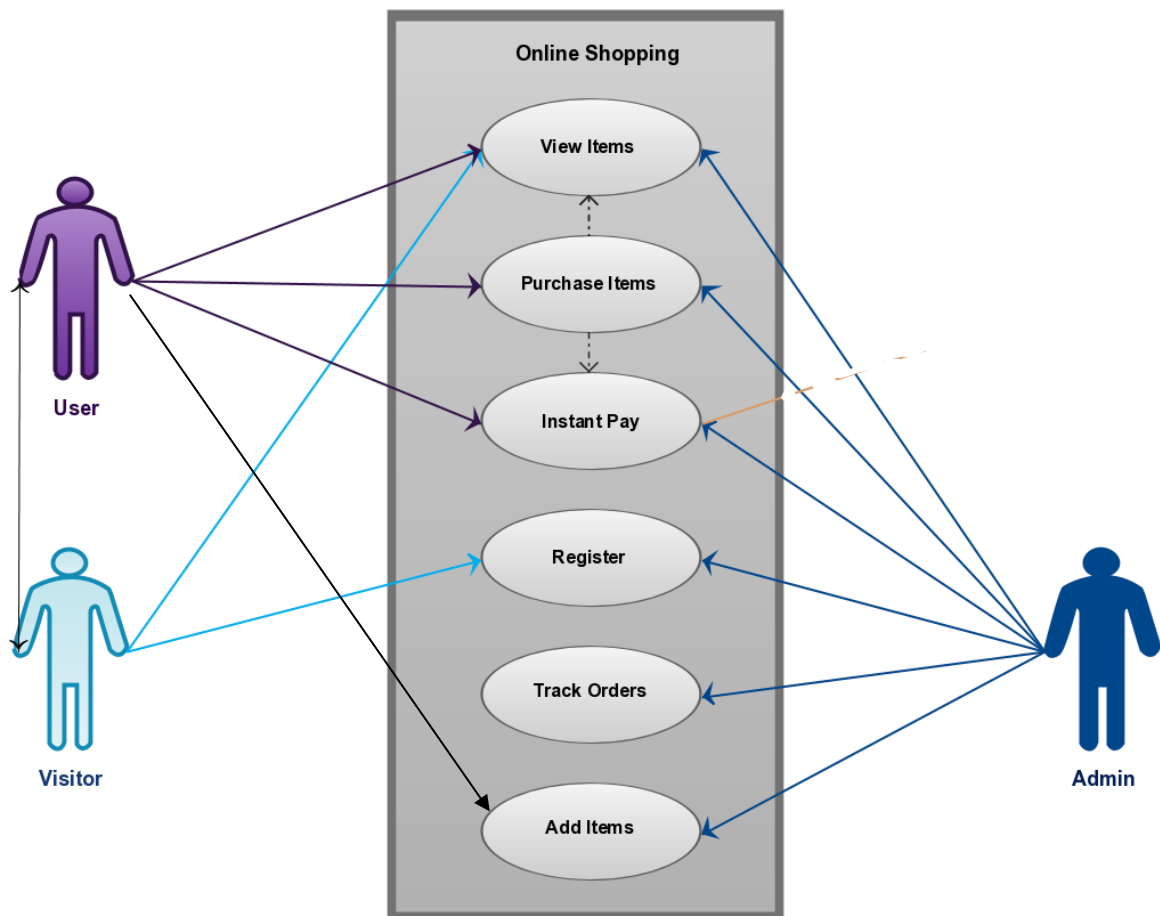
- Home Page
- AboutUs Page
- Clothing Page
- OrderUs Page
- ContactUs Page
- Admin Page
- Login Page
- Register Page
- Track

## 2.5 Project Detail:



### 3.0 SYSTEM REQUIREMENTS:

#### 3.1 USE-CASE DIAGRAM:





## 4.0 ONLINE SHOPPING APPLICATION:

Anyone can view Online Shopping portal and available products, but every user must login by his/her Username and password in order to purchase or order products. Unregistered members can register by navigating to registration page. Only Admin will have access to modify roles, by default developer can only be an 'Admin'. Once user register site, his default role will be 'User'.

**4.1 HOMEPAGE:** The Home Screen will consist of screen were one can browse through the products which we have on our website

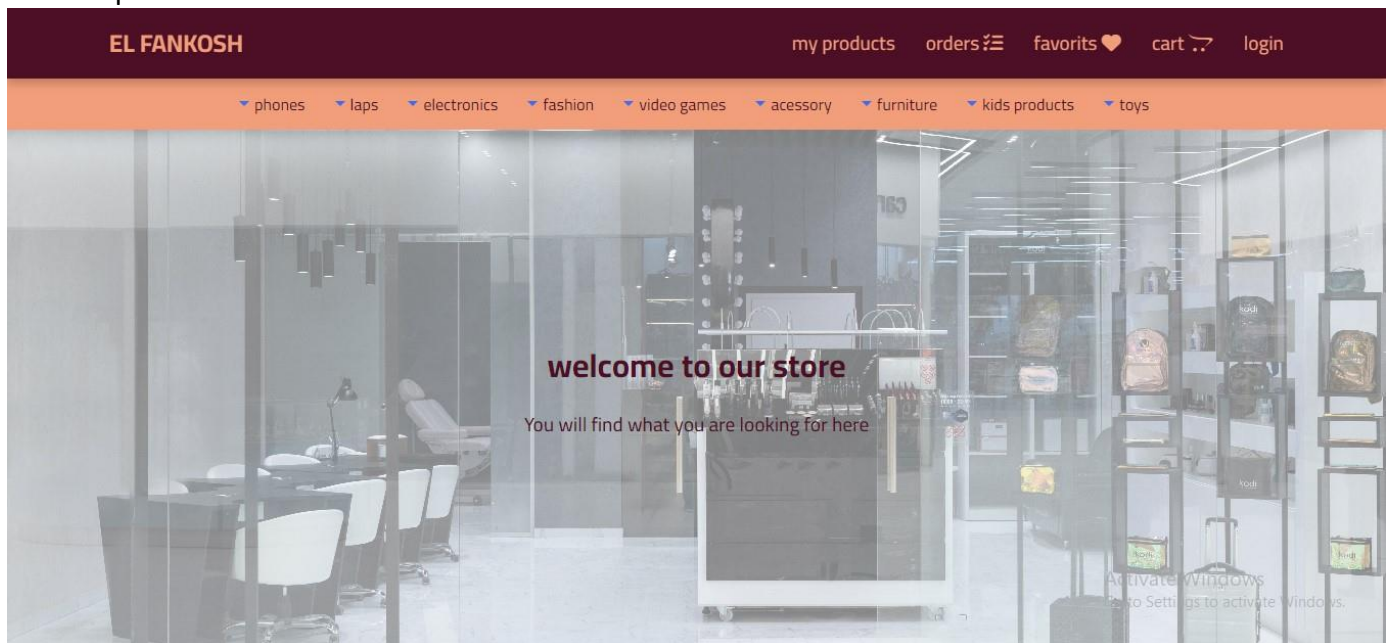


Figure1: Home Page

**4.2. CLOTHING PAGE (PRODUCTS):** This page consists of product details. This page appears same for both visitors and users.

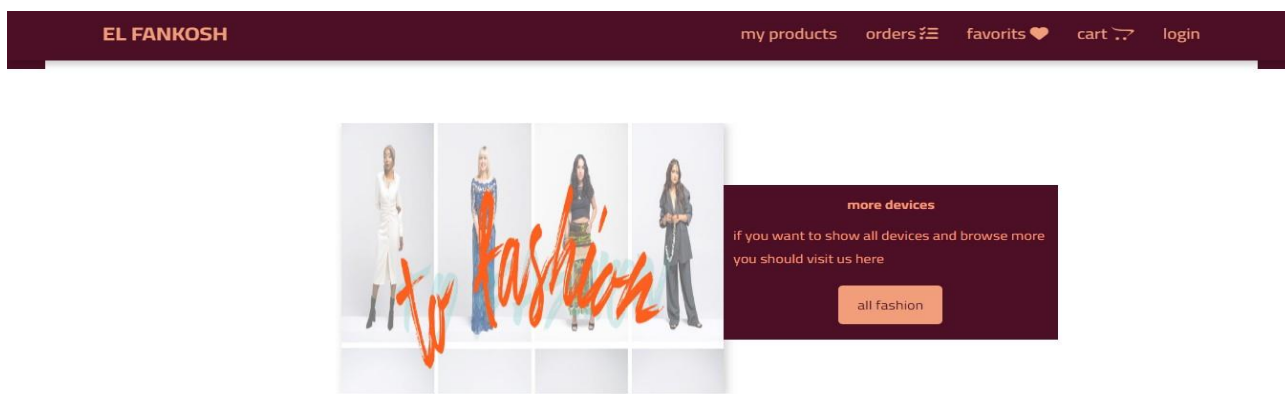



Figure 2: Clothing Page

EL FANKOSH

[my products](#)
[orders](#)
[favorites](#)
[cart](#)
[login](#)


fashion



**fashion**  
300 EGP

Focus - Baseball Wine Jacket - Men


[add to cart](#)



**shoes**  
500 EGP

woman shoes


[add to cart](#)



**shirt**  
600 EGP

Aeropostale Men 8290F21A Hooded

[add to cart](#)



**bracelet**  
200 EGP

Fashion Men Bracelet Silver Plated Zinc

[add to cart](#)

#### 4.3 Kids Products: user can choose kids product .

EL FANKOSH

[my products](#)
[orders](#)
[favorites](#)
[cart](#)
[login](#)

toys



**toys**  
2000 EGP

Epoch Seaside Cruiser House Boat Toy, 55 Pieces

[add to cart](#)



**toys**  
600 EGP

Ydjia K14 Radio Controlled Dacing Robot for Kids

[add to cart](#)



**toys**  
200 EGP

Ydjia K14 Radio Controlled Dacing Robot for Kids

[add to cart](#)




**toys**  
350 EGP

Deformation Synthesis Robot for Boys - Multi Colors

[add to cart](#)

EL FANKOSH

[my products](#)
[orders](#)
[favorites](#)
[cart](#)
[login](#)



**more devices**

if you want to show all devices and browse more you should visit us here

[all kids products](#)

EL FANKOSH
my products orders favorites cart login

kids products

kids  
350 EGP

Kids Toddler Pretend Play Housekeeping

add to cart

kids  
30 EGP

Magic Water Drawing Book Coloring Book

add to cart

kids  
40 EGP

Magic Water Drawing Book Coloring Book

add to cart

kids  
50 EGP

Sofia Magic Coloring Book with Water - No

add to cart

#### 4.4 Smart Devices Page: Visitors and Registered users can chose smart devices from this page

EL FANKOSH
my products orders favorites cart login

phone

iphone  
13000 EGP

iphone 11. storage: 128GB color: black.

add to cart

iphone  
20000 EGP

iphone 13 . storage: 256GB. color: white & black.

add to cart

iphone  
10000 EGP

iphone x. storage: 64GB. color: white.

add to cart

iphone  
7000 EGP

iphone 6s. storage: 64GB. color: gray.


add to cart

#### 4.4.1 Lab tops Page

EL FANKOSH


[my products](#) [orders](#) [favorites](#) [cart](#) [login](#)

lap




**dell**  
14000 EGP  
dell g3 gaming core i5 10234h gpu:rtx 1650. 16" 155% ssd

[add to cart](#)




**dell**  
30000 EGP  
Alienware x17gaming. core i9 12900HK. 17" 165% ssd

[add to cart](#)



**dell**  
13000 EGP  
dell 7567 inspiron 15 7000 Gaming corei5-12300HQ GPU: RTX 1650 15.6" 155% ssd

[add to cart](#)



**hp**  
13000 EGP  
HP Pavilion 15.6" FHD Gaming. Core i5-12300HQ 8GB RAM NVIDIA GTX 1650 256GB

[add to cart](#)

EL FANKOSH

[my products](#) [orders](#) [favorites](#) [cart](#) [login](#)



**more devices**

if you want to show all devices and browse more you should visit us here.

[all laps](#)



EL FANKOSH

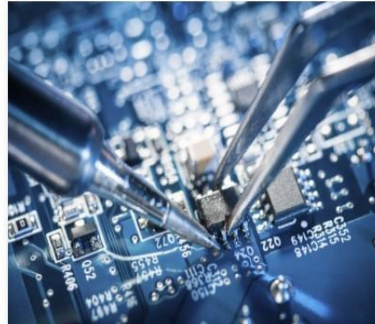
my products

orders

favorites

cart

login



more devices

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you should visit us here

all electronics

Activate Windows

Go to Settings to activate Windows

#### 4.5 Video Game Section : This page Show Video Game Product

EL FANKOSH

my products

orders

favorites

cart

login

#### video games



games

700 EGP

Sony Ps4 Dualshock 4 Wireless Controller,

add to cart



games

1000 EGP

Sony Computer entertainment CFI-ZCT1W

DualShock 4 Wireless Controller Black PS5

add to cart



fifa

800 EGP

Fifa 22 - PlayStation 4

add to cart



xbox

9000 EGP

Xbox Series S 512 GB Digital Console

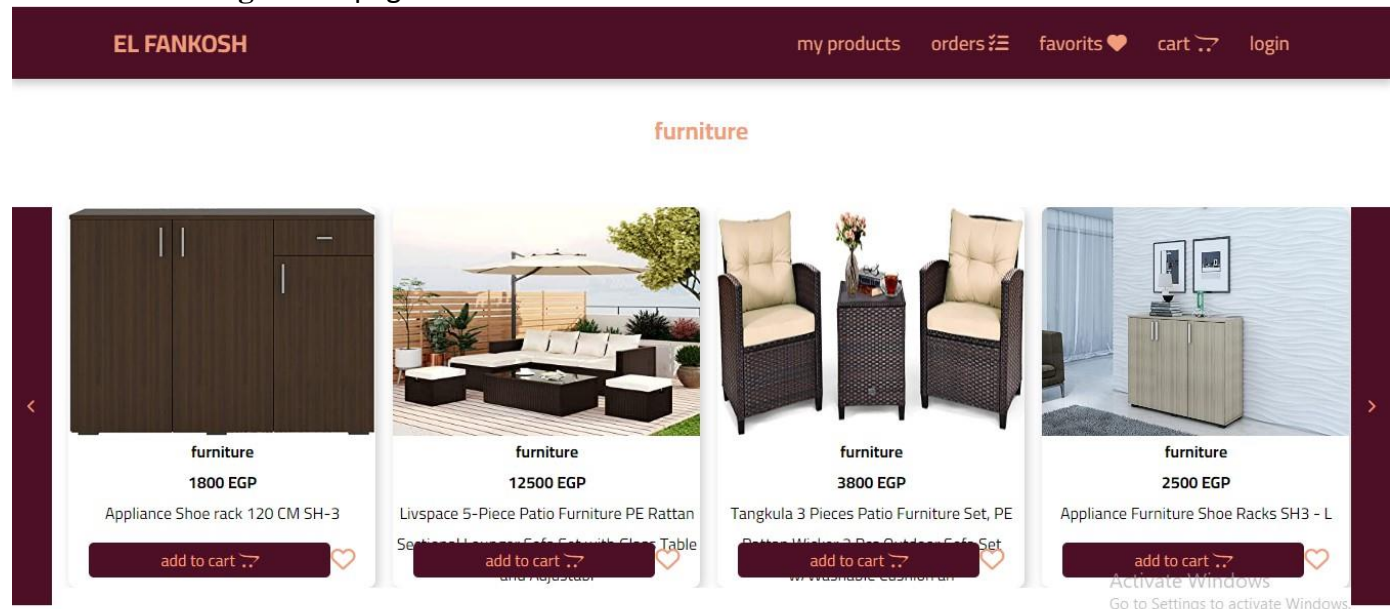
add to cart



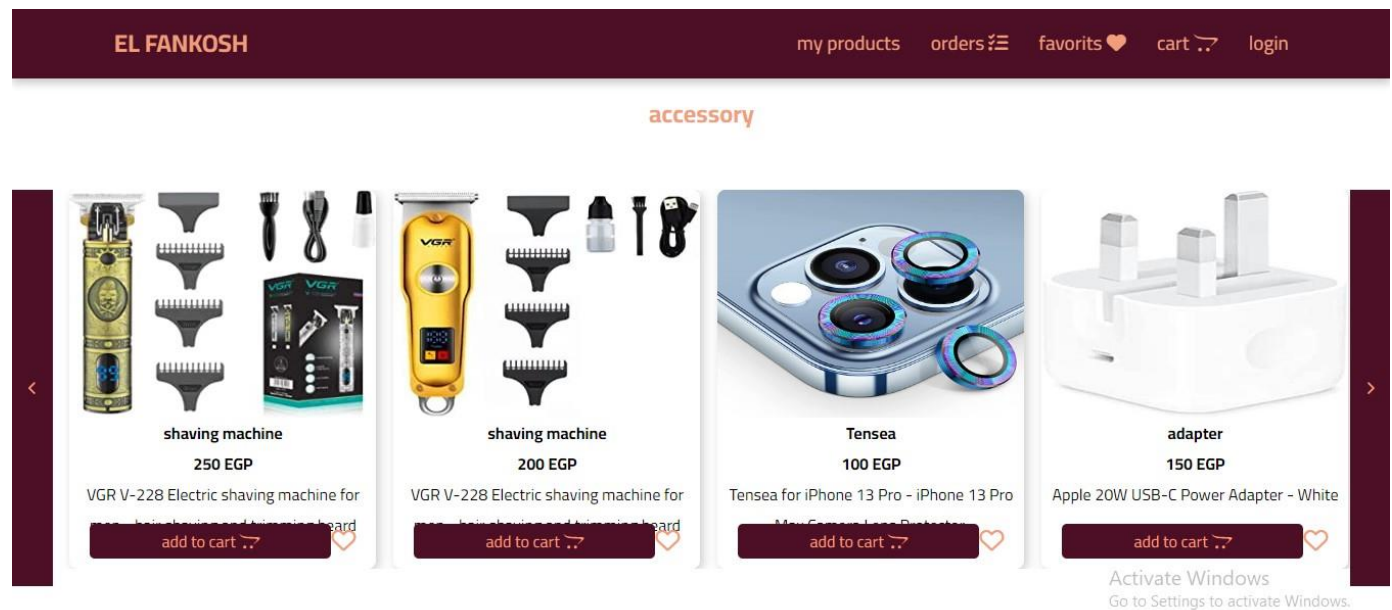
Activate Windows

Go to Settings to activate Windows

#### 4.6 Furniture Page : This page Show Furniture Product.



#### 4.7 Accessory Page: this Page display Accessory products



#### 4.8 More Details and similar Products Page :This page display More Details About Product .

EL FANKOSH

my products

orders

favorites

cart

login



more devices

if you want to show all devices and browse more  
you should visit us here

all games

Activate Windows

EL FANKOSH

my products

orders

favorites

cart

login



more devices

if you want to show all devices and browse more  
you should visit us here

all kids products

EL FANKOSH

my products

orders

favorites

cart

login



more devices

if you want to show all devices and browse more  
you should visit us here

all accessory

Activate Windows

EL FANKOSH

my products

orders

favorites

cart

login



more devices

if you want to show all devices and browse more  
you should visit us here

all toys



**4.8 LOGIN PAGE:** Login page for both users and administrators.

**SIGNUP**

fullname

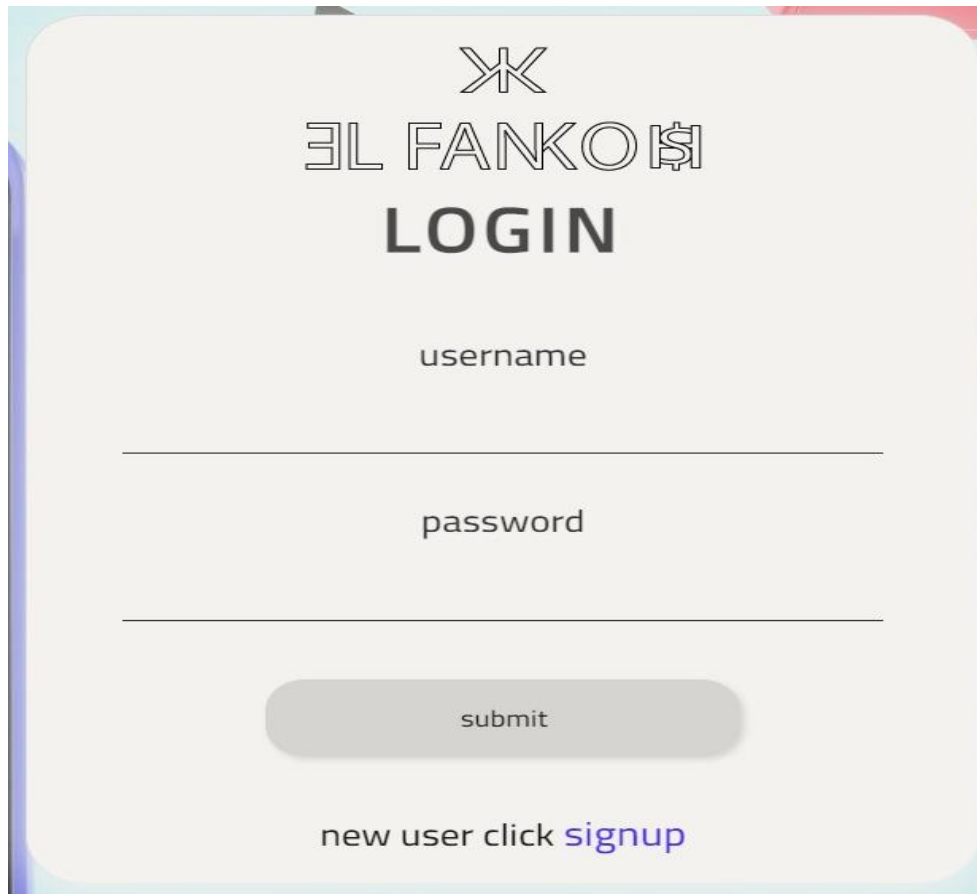
username

password

phone-num

submit

after signup return to [login](#)



EL FANKO\$  
LOGIN

username

password

submit

new user click [signup](#)

**4.9 ORDER VIEW FOR USER:** Once users order item they are able to see ordered products and grand total.

[Hi Sanjana! Please review your order.](#)

Product Quantity	Product Name	Product Amount
1	Wrangler (Blue Polo T Shirt) (Each: \$ 23.25)	\$ 23.25
1	Flying Machine (Blue Slim Fit Jeans) (Each: \$ 33.31)	\$ 33.31
1	BEEVEE (Beige Elasticated Trackpant) (Each: \$ 18.31)	\$ 18.31
Total Quantity : 3		Total Amount USD : \$ 74.87 (Inclusive taxes and delivery charges)

Instant Pay (PayPal)

Cancel

## 5.0 Data Management

### 5.1 Data Description

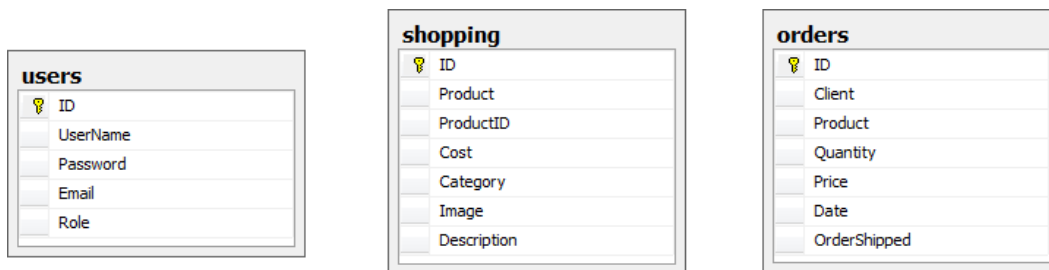
This database consists of

- Users: User and Admin information is added to database with Unique ID based on their roles.
- Shopping: Complete products information is stored in this table.
- Orders: Customer ordered products, status and delivery information is stored in this table.

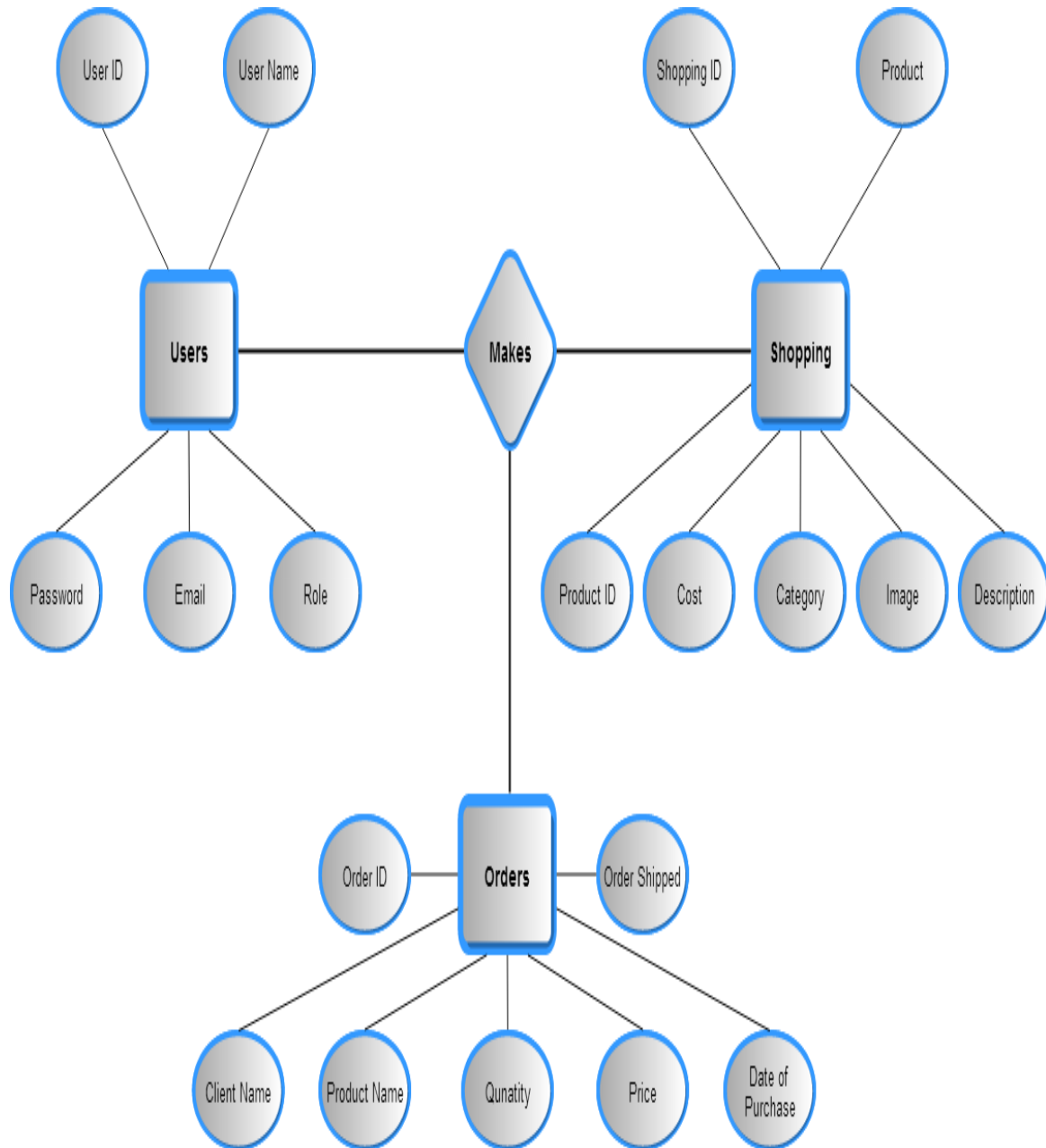
### 5.2 Data Objects

- User: ID, UserName, Password, Email, Role
- Shopping: ID, Product, Product ID, Cost, Category, Image, Description
- Orders: ID, Client, Product, Quantity, Price, Date, OrderShipped

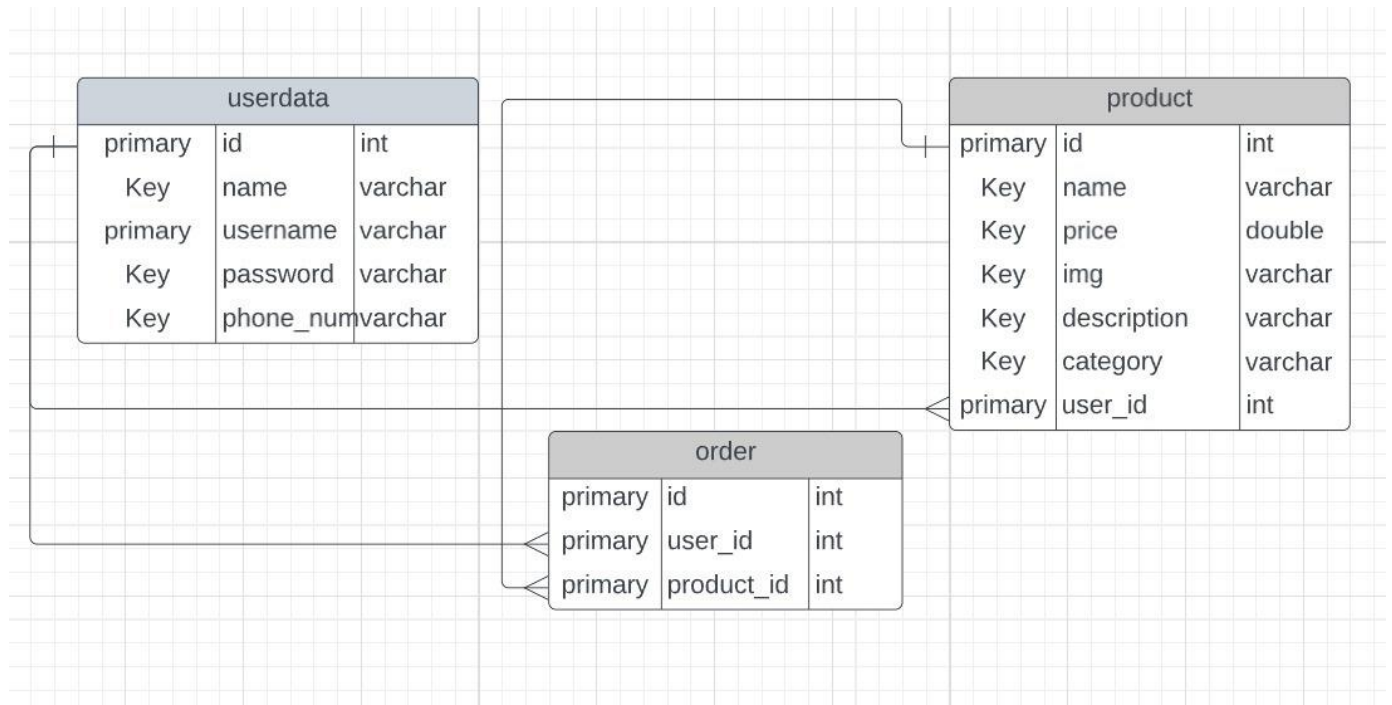
### 5.3 Database Table Diagram



## 5.0 Relationships:



## • ERD



## Implementions

- For Add New Product

```
if(isset($_POST['add_product'])){
    $name = $_POST['name'];
    $price = $_POST['price'];
    $img = $_FILES['image'];
    $image_location = $_FILES['image']['tmp_name'];
    $image_name = $_FILES['image']['name'];
    $image_up = "images/".$image_name;
    $description = $_POST['description'];
    $category = $_POST['category'];
    $user_id = $_SESSION['user_id'];
    $insert = "INSERT INTO products (name , price , img , description , category , user_id)
    values ('$name' , '$price' , '$image_up' , '$description' , '$category' , '$user_id')";
    mysqli_query($con,$insert);
    header('location:index.php');
}
```

- To Add product in favourite

```
if(isset($_POST['favo'])){
{
    $id = $_GET['id'];
    $user_id = $_SESSION['user_id'];
    $insert = "INSERT INTO fav (product_id , user_id )
    values ('$id' , '$user_id')";
    mysqli_query($con,$insert);
    header('location:index.php');
}
```

- Product Modification

```
if(isset($_POST['update_product'])){
    $id = $_GET['id'];
    $name = $_POST['name'];
    $price = $_POST['price'];
    $img = $_FILES['image'];
    $image_location = $_FILES['image']['tmp_name'];
    $image_name = $_FILES['image']['name'];
    $image_up = "images/".$image_name;
    $description = $_POST['description'];
    $category = $_POST['category'];
    $user_id = $_SESSION['user_id'];
    $update = "update products set name='$name' , price='$price' ,img='$image_up' , description='$description' , category='$category' where id= $id ";
    mysqli_query($con,$update);
    header('location:allproducts.php');
}
```

- Make New Account

```
if(isset($_POST['add_user'])){
    $name = $_POST['name'];
    $user_name = $_POST['user_name'];
    $pass = $_POST['pass'];
    $phone_num = $_POST['phone_num'];
    $insert = "INSERT INTO user_data (name , user_name , pass , phone_num)
    values ('$name' , '$user_name' , '$pass' , '$phone_num')";
    mysqli_query($con,$insert);
    header('location:index.php');
}
```

- Account verification

```
if(isset($_POST['check_user'])){
    $user_name = $_POST['user_name'];
    $pass = $_POST['pass'];
    $result = mysqli_query($con, "select * from user_data");
    while($row = mysqli_fetch_array($result))
    {
        if($row['user_name']===$user_name)
        {
            if($row['pass']===$pass)
            {
                $arr=explode(' ', $row['name'], 2) ;
                $_SESSION['name']=$arr[0];
                $_SESSION['user_id']=$row['id'];
                header('location:index.php');
            }
        }
    }
}
```

- Delete Product

```
include('conf.php');
$id=$_GET['id'];
mysqli_query($con, "delete from products where id=$id");
header('location:allproducts.php');
```

- Data Base connection

```
conf.php
1 <?php
2 $con=mysqli_connect('localhost','root','','online');
```

## Future Work

**4.10 PAYPAL FOR PAYMENT:** Once users orders products they are redirected to payment page.

### Online Shopping's Test Store

**Your order summary**

Descriptions	Amount
Online Shopping GSU   Online Fabric...	\$74.87
Item price: \$74.87	
Quantity: 1	
<b>Item total</b>	<b>\$74.87</b>
<b>Total \$74.87 USD</b>	

**Choose a way to pay**

Pay with my PayPal account

Log in to your account to complete the purchase

PayPal

Pay with a debit or credit card

(Optional) Join PayPal for faster future checkout

Country: United States

Card number:

Payment types: VISA MasterCard Discover American Express

Expiration date: mm / yy

CSC:

What is this?

Billing information

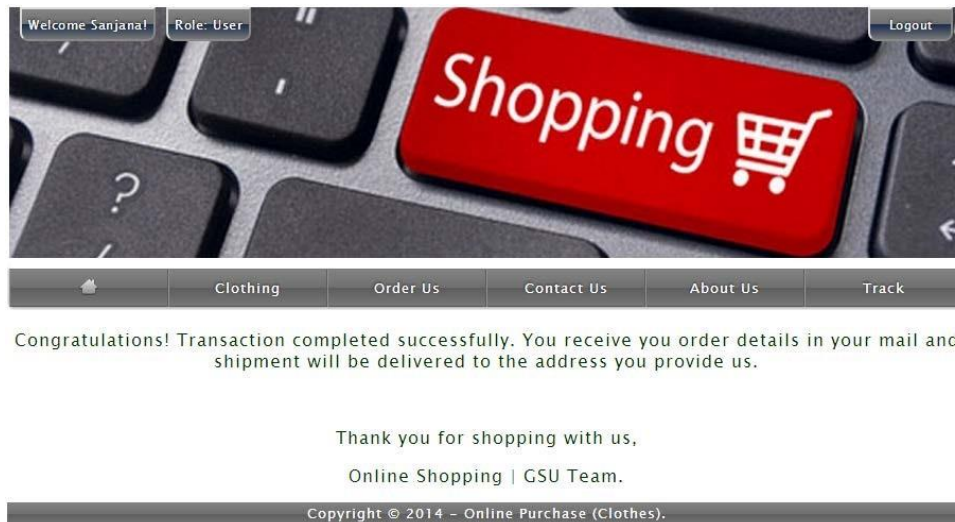
First name: Name

Last name:

Figure 11: PayPal Page



Figure 4.12: Success URL



## 6.0 Conclusion:

The Internet has become a major resource in modern business, thus electronic shopping has gained significance not only from the entrepreneur's but also from the customer's point of view. For the entrepreneur, electronic shopping generates new business opportunities and for the customer, it makes comparative shopping possible.

As per a survey, most consumers of online stores are impulsive and usually make a decision to stay on a site within the first few seconds. "Website design is like a shop interior. If the shop looks poor or like hundreds of other shops the customer is most likely to skip to the other site. Hence we have designed the project to provide the user with easy navigation, retrieval of data and necessary feedback as much as possible. In this project, the user is provided with an e-commerce web site that can be used to buy books online. To implement this as a web application we used ASP.NET as the Technology. ASP.NET has several advantages such as enhanced performance, scalability, built-in security and simplicity.

To build any web application using Larvel we need a programming language such as PHP, , Js and so on. PHP was the language used to build this application. For the client browser to connect to the Larvel engine we used Microsoft's Internet Information Services (IIS) as the Web Server. ASP.NET uses ADO.NET to interact with the database as it provides in-memory caching that eliminates the need to contact the database server frequently and it can easily deploy and maintain an ASP.NET application. SQL was used as back-end database since it is one of the most popular databases, and it provides fast data access, easy installation and simplicity.

A good shopping cart design must be accompanied with user-friendly shopping cart application logic. It should be convenient for the customer to view the contents of their cart and to be able to remove or add items to their cart. The shopping cart application described in this project provides a number of features that are designed to make the customer more comfortable.

This project helps in understanding the creation of an interactive web page and the technologies used to implement it. The design of the project which includes Data Model and Process Model illustrates how the database is built with different tables, how the data is accessed and processed from the tables. The building of the project has given me a precise knowledge about how ASP.NET is used to develop a website, how it connects to the database to access the data and how the data and web pages are modified to provide the user with a shopping cart application.

## 7.0References:

1. Anne Boehm, Joel Murach, Murach's ASP.NET 4 Web Programming with C# 2010, 4thEdition, Murach, 2010.
2. Bryan Syverson, Joel Murach, Murach's SQL Server 2012 for developers, Murach, 2012.
3. <http://www.w3schools.com/>
4. <http://msdn.microsoft.com/>
5. <http://agilemodeling.com/>
6. <http://csharp-video-tutorials.blogspot.co.uk/p/free-dot-net-video-tutorials-for.html>

