

# Final Individual Project Report

## **E-business Web Application**

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## **Acknowledgement**

I would like to express my deepest appreciation to all those who provided me the possibility to complete this project. A special gratitude I give to our Lecturer, Mr.Manjula Kithsiri Bandara, whose contribution in stimulating suggestions and encouragement, helped me to coordinate my project and gave some additional knowledge in practical session and support to fulfil the project.

## **Brief Introduction**

Nowadays e-market is evolving day by day and people are used to purchase any products through internet in instant way. In this case, many people are facing so many problems regarding non interactive of web applications. So, this project will be the one of solution to that issue. This is a prototype website designed for customers and retail sellers, with the motive of buying and selling products. This is a very interactive website designed using HTML, CSS, JavaScript and PHP languages. I have used the knowledge gained from practical sessions to build the website. I can make sure that all of the requirements which are mentioned in the criteria of final project are been achieved from this website.

## Functionalities of the website

- Online Registration
- Log in/Log out
- Edit profile
- Remove account
- Upload/edit/delete their products and outlets
- View products as category wise
- Add/remove wished products to shopping cart
- Customize the status of products
- Google map incorporation
- Interact with the database

The following table demonstrates the privileges and functionalities of roles which can be used this website for different purposes:

As a viewer	As a root	As an admin
Online registration	Upload/edit/delete their products and outlets	Upload/edit/delete their products and outlets
View products as category wise	Customize their account	Customize their account
Add/remove products to shopping cart	Allow to buy wished products	Allow to buy wished products
Allow to buy wished products		Customize the status of products
		Customize the products and outlets list
		Manage and control the users accounts
		Determine users' roles

## **Issues I have faced while designing the website**

### **Overall Structure of the website**

Learnt by looking at other websites and experienced gained through in class design

### **Determining the requirements of the website**

As a customer's point of view, listed down the requirements and considered when designing

### **Table creation of database**

According to requirements, created the appropriate tables with the help of gained knowledge from practical sessions.

### **More creative graphical designs for the website when comparing others**

Overcame it by getting sample ideas from other websites and inserted my own ideas while designing

### **Google map incorporation to the web site**

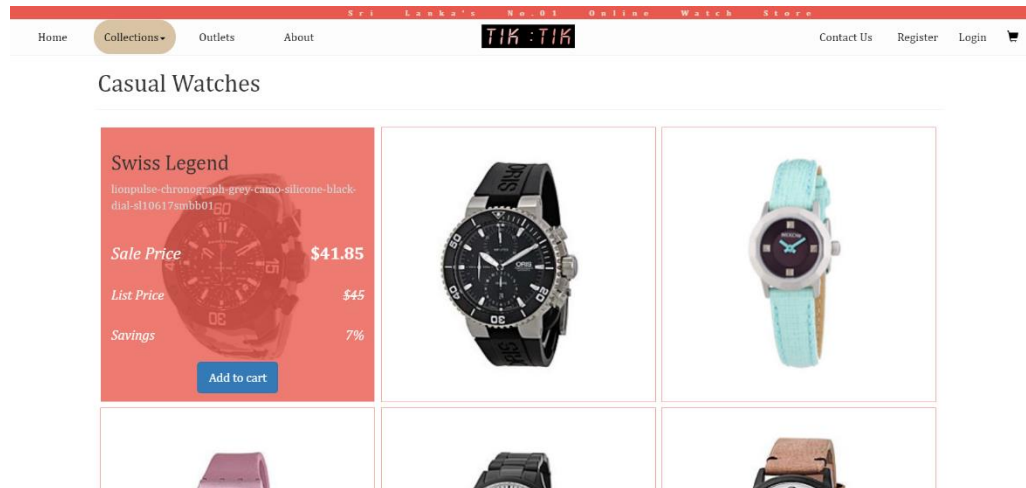
Learnt to insert Google map to a web page from the internet sources

### **Faced some issues with page designs when considering the user roles**

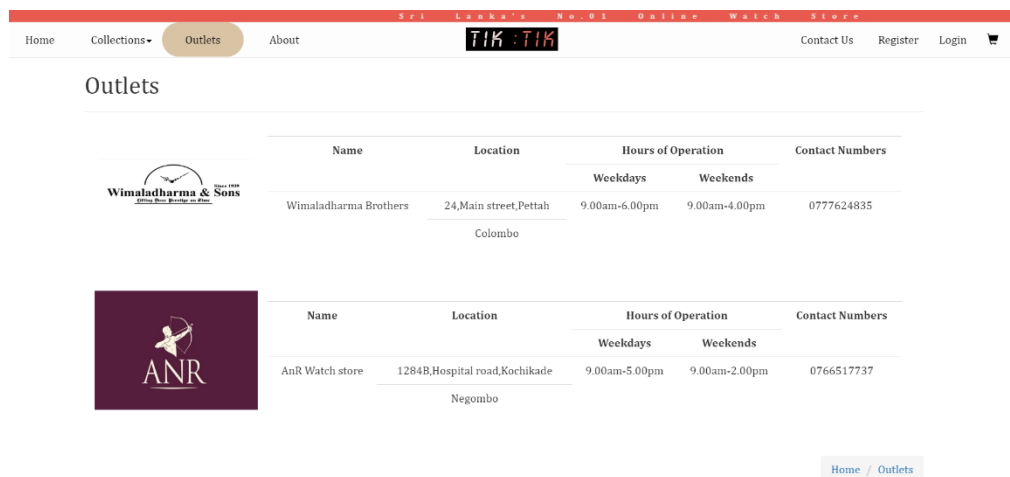
Web design and structure have some differentiations according to user roles. So, I referred my practical notes to solve these issues.

## Page Interfaces of website

### Collections page



### Outlets page



## Shop-cart page

HomeCollections▼OutletsAbout

TIK:TIK

Contact UsRegisterLogin

Shopping Cart

Cart (3)Clear

NO	Item Brand	Item Name	Item Category	Sale Price(\$)	Quantity	Amount(\$)
1	Swiss Legend	lionpulse-chronograph-grey-camo-silicone-black-dial-sl10617smbb01	casual	41.85	3 +	125.55
2	Nixon	A338-302-00_FSA	casual	32.30	2 +	64.60
3	Corso	mens-corso-chronograph-leather-black-dial-ca700306e	men	31.05	1 +	31.05
Net Total					Total Amount:	221.20

Buy it!

## Registration and login modal

OutletsAbout

Login here

Contact Us

Email

Password

CloseLogin

ons▼OutletsAbout

+ Registration Form

Contact UsRegister

Name

First Name

Second Name

Email Address

Enter Email Address

Password

Enter Password

Address

City

Country

Date of Birth

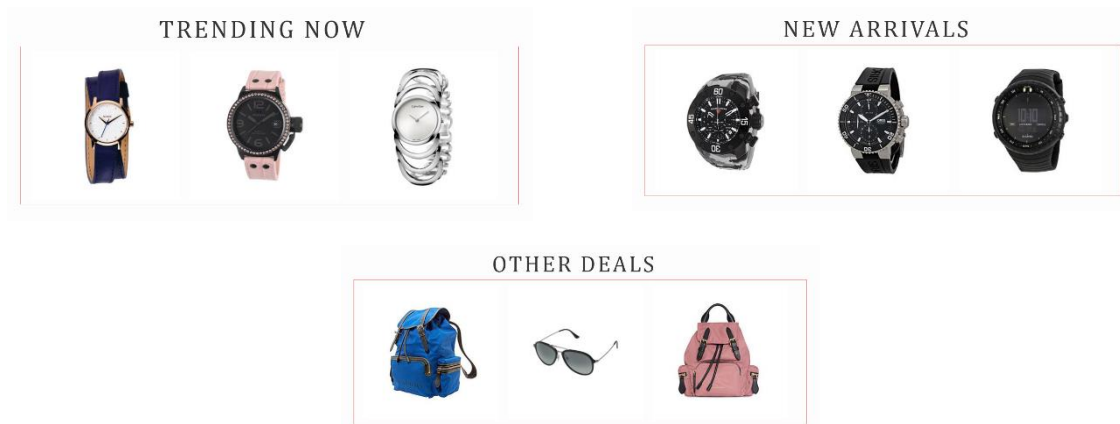
dd/mm/yyyy

Gender

Choose...

CloseRegister

## Other features in index page



## Add item page

Form for adding a new item to the collection.

Header: Welcome Karan

Navigation: Home Collections Outlets About

Search: TIK :TIK

User: Root Karan

### Add Your Item

Item Brand	<input type="text"/>
Item Name	<input type="text"/>
Item Category	<input type="text" value="--- Choose ---"/>
Product Price(\$)	<input type="text"/>
Discount Percentage(%)	<input type="text"/>
Upload an image	<input type="button" value="Choose File"/> No file chosen

Home / My Profile / My Items / Add your Item

## Profile page

Form for viewing and editing the user profile.

Header: Welcome Karan

Navigation: Home Collections Outlets About

Search: TIK :TIK

User: Root Karan

### My Profile

Name	
Karan	Jeyalakshmann
Email	
karan@gmail.com	
Address	
Colombo	Srilanka
Date of Birth	Gender
1998-10-23	male
Status	Role
active	root
Number of your Items	Number of your Outlets
16	1



My items page















HomeCollections▼OutletsAbout

RootKaran

My ProfileMy ItemsMy Outlets

My Items

+ Add Item







NO	Item Brand	Item Name	Item Category	Price	Discount	Image	Action
1	Swiss Legend	lionpulse-chronograph-grey-camo-silicone-black-dial-sl10617smbb01	casual	\$45	7%	lionpulse-chronograph-grey-camo-silicone-black-dial-sl10617smbb01.jpg	 
2	Oris	mens-aquis-chronograph-rubber-black-dial-01-774-7655-415407-4-26-34eb	casual	\$52.5	10%	mens-aquis-chronograph-rubber-black-dial-01-774-7655-415407-4-26-34eb.jpg	 
3	Aviator	mens-original-aviator-rb3025-00478-55	other	\$15	3.5%	mens-original-aviator-rb3025-00478-55.jpg	 
4	Adidas	burberry-bright-blue-backpack-4068951	other	\$23.75	5%	burberry-bright-blue-backpack-4068951.jpg	 
5	Nixon	A338-302-00_FSA	casual	\$38	15%	A338-302-00_FSA.jpg	 
6	Rado	womens-datebaya-silicone-pink-dial-gp404	casual	\$42	25%	womens-datebaya-silicone-pink-dial-gp404.jpg	 
7	Nixon	A403-1675-00_FSA	women	\$51	10%	A403-1675-00_FSA.jpg	 

Users page

HomeCollections▼OutletsItems

UsersAdminRupeekshan

Users

NO	User Name	Email	City	Country	Status	Role	Action
1	Rupeekshan	rupee@gmail.com	Colombo	Srilanka	active	admin	 
2	Karan	karan@gmail.com	Colombo	Srilanka	active	root	 
3	Kavin	kavin@gmail.com	Kandy	Srilanka	active	root	 

















Home / Users

Items page

HomeCollections▼OutletsItems

UsersAdminRupeekshan

Items

NO	Item Brand	Item Name	Item Category	Status	Price	Discount	Action
1	Swiss Legend	lionpulse-chronograph-grey-camo-silicone-black-dial-sl10617smbb01	casual	New	\$45	7%	 
2	Oris	mens-aquis-chronograph-rubber-black-dial-01-774-7655-415407-4-26-34eb	casual	New	\$52.5	10%	 
3	Aviator	mens-original-aviator-rb3025-00478-55	other	Normal	\$15	3.5%	 
4	Adidas	burberry-bright-blue-backpack-4068951	other	New	\$23.75	5%	 
5	Nixon	A338-302-00_FSA	casual	Normal	\$38	15%	 
6	Rado	womens-datebaya-silicone-pink-dial-gp404	casual	Normal	\$42	25%	 
7	Bedford	mens-bedford-brownstone-ii-chronograph-stainless-steel-grey-dial-308gry1	casual	Normal	\$45	0%	 
8	Rayman	womens-pequin-ff-0071fs-mqer4	other	Normal	\$22	15%	 

# Sample Codes

## Navigation menu bar

```
25 <!-- The nav links and other content for toggling -->
26 <div class="collapse navbar-collapse navbar-color" id="bs-example-navbar-collapse-1">
27   <ul class="nav navbar-nav">
28     <li class="<?php if($page=='home'){ echo "active-nav";} ?>"><a href="index.php" title="home">Home <span class="sr-only">(current)</span></a></li>
29     <li class="dropdown navTitle <?php if($page=='collections'){ echo "active-nav";} ?>">
30       <a href="#" class="dropdown-toggle" data-toggle="dropdown" role="button" aria-haspopup="true" aria-expanded="false" title="collections">
31         Collections<span class="caret"></span></a>
32       <ul class="dropdown-menu navbar-color">
33         <li><a href="casual.php" title="casual">Casual</a></li>
34         <li><a href="luxury.php" title="luxury">Luxury</a></li>
35         <li><a href="men.php" title="men">Men</a></li>
36         <li><a href="women.php" title="women">Women</a></li>
37         <li><a href="sports.php" title="sports">Sports</a></li>
38         <li><a href="kids.php" title="kids">Kids <span class="label label-danger">New arrival</span></a></li>
39         <li><a href="other.php" title="other">Other</a></li>
40       </ul>
41     </li>
42     <li class="navTitle <?php if($page=='outlets'){ echo "active-nav";} ?>"><a href="outlets.php" title="outlets">Outlets</a></li>
43     <li class="navTitle <?php if($page=='items'){ echo "active-nav";} ?>"><a href="items.php" title="items">Items</a></li>
44     <li class="brand"><span id="logo1">TIK</span><span id="logo2">TIK</span></li>
45   </ul>

47   <section class="nav navbar-nav pull-right">
48     <?php if(isset($_SESSION['userName'])){ ?>
49       <ul class="nav navbar-nav navbar-right">
50         <li class="navTitle <?php if($page=='users'){ echo "active-nav";} ?>"><a href="users.php" title="users">Users</a></li>
51         <li><a><span style="text-transform:capitalize; font-style:italic;"><?php echo $_SESSION['roleName'];></span></a></li>
52         <li class="dropdown active-nav navTitle" style="width:180px;">
53           <a href="#" class="dropdown-toggle" data-toggle="dropdown" role="button" aria-haspopup="true" aria-expanded="false">
54             <span class="glyphicon glyphicon-king"></span><span style="text-transform:capitalize; font-size:20px;">
55               <?php echo $_SESSION['userName'];></span><span class="caret"></span></a>
56           <ul class="dropdown-menu">
57             <li><a href="myProfile.php" title="my-profile">MyProfile</a></li>
58             <li role="separator" class="divider"></li>
59             <li><a href="logout.php" title="logout">Logout</a></li>
60           </ul>
61         </li>
62         <li class="<?php if($page=='addToCart'){ echo "active-nav";} ?>"><a href="addToCart.php" title="shop-cart">
63           <span class="glyphicon glyphicon-shopping-cart"></span></a></li>
64       </ul>
65     <?php } else { ?>
66       <li class="navTitle <?php if($page=='contactUs'){ echo "active-nav";} ?>"><a href="#footDiv3" title="contact-us">Contact Us</span></a></li>
67       <li class="<?php if($page=='register'){ echo "active-nav";} ?>"><a href="register.php" title="register">Register</a></li>
68       <li><a href="#" data-toggle="modal" data-target="#loginModal" class="d-inline" title="login">Login</a></li>
69       <li><a href="addToCart.php" title="shop-cart"><span class="glyphicon glyphicon-shopping-cart"></span></a></li>
70     <?php } ?>
71   </section>
72 </div>
```

## Display date and time using ajax

```
1 <div>
2   <span class="pull-left">
3     <b>Date:</b>
4   <?php
5     date_default_timezone_set('Asia/Colombo');
6     echo date('d M Y')." ".date('D');
7   ?>
8   </span>
9   <span class="pull-right">
10    <b>Time:</b>
11  <?php
12    echo date('H : i : s');
13  ?>
14  </span>
15 </div>
```

```
130 //timer
131 $(function() {
132
133   function update() {
134     $.ajax({
135       type: 'POST',
136       url: 'dateTime.php',
137       timeout: 1000,
138       success: function(data) {
139         $("#clock").html(data);
140         window.setTimeout(update, 1000);
141       },
142     });
143   }
144   update();
145
146 });
```

## Saving, updating and deleting my items

```
1 <?php
2 session_start();
3 if(isset($_SESSION['userName'])){
4     if(isset($_POST['itemBrand'])){
5         $iBrand=$_POST['itemBrand'];
6     }
7     if(isset($_POST['itemName'])){
8         $iName=$_POST['itemName'];
9     }
10    if(isset($_POST['itemCat'])){
11        $iCat=$_POST['itemCat'];
12    }
13    if(isset($_POST['price'])){
14        $price=$_POST['price'];
15    }
16    if(isset($_POST['discount'])){
17        $discount=$_POST['discount'];
18    }
19    //uploading images
20    include('upload.php');
21    //Database connection
22    include('inc/dbConn.php');
23    $uid=$_SESSION['uid'];
24    //Query-add datas to item
25    $sql="INSERT INTO item (itemBrand,itemName,itemCat,status,price,discount,image,uid) VALUES('$iBrand','$iName','$iCat','new','$price','$discount','$image','$uid')";
26    $result=mysqli_query($conn,$sql);
27    if($result){
28        ?>
29        <script>
30            alert("Successfully Added!");
31            window.location="<?php echo $iCat;?>.php";
32        </script>
```

```
33 <?php
34     } else{
35     ?>
36     <script>
37         alert("Something went wrong");
38         window.location="myItem.php";
39     </script>
40     <?php
41     }
42     mysqli_close($conn);
43     } else{
44         include('404.php');
45     }
46     ?>
```

```
1 <?php
2 session_start();
3 if(isset($_SESSION['userName'])){
4     if(isset($_POST['itemId'])){
5         $itemId=$_POST['itemId'];
6     }
7     if(isset($_POST['itemBrand'])){
8         $iBrand=$_POST['itemBrand'];
9     }
10    if(isset($_POST['itemName'])){
11        $iName=$_POST['itemName'];
12    }
13    if(isset($_POST['itemCat'])){
14        $iCat=$_POST['itemCat'];
15    }
16    if(isset($_POST['price'])){
17        $price=$_POST['price'];
18    }
19    if(isset($_POST['discount'])){
20        $discount=$_POST['discount'];
21    }
22    //Uploading images
23    include('upload.php');
24    //Database connection
25    include('inc/dbConn.php');
26    $uid=$_SESSION['uid'];
27    //Query-update data in item
28    $sql="UPDATE item SET itemBrand='$iBrand',itemName='$iName',itemCat='$iCat',price='$price',discount='$discount',image='$image',uid='$uid' WHERE itemId='$itemId'";
29    $result=mysqli_query($conn,$sql);
30    if($result){
31        ?>
32        <script>
33            alert("Successfully Updated");
34            window.location="myItem.php";
35        </script>
36    <?php
```

```
33 <?php
34     } else{
35     ?>
36     <script>
37         alert("Something went wrong");
38         window.location="myItem.php";
39     </script>
40     <?php
41     }
42     mysqli_close($conn);
43     } else{
44         include('404.php');
45     }
46     ?>
```

```
1 <?php
2 session_start();
3 if(isset($_SESSION['userName'])){
4     if(isset($_GET['itemId'])){
5         $itemId=$_GET['itemId'];
6     }
7     include('inc/dbConn.php');
8     $sql="DELETE FROM item WHERE itemId='$itemId'";
9     $result=mysqli_query($conn,$sql);
10    if($result){
11        ?>
12        <script>
13            alert("Your item is DELETED");
14            window.location="myItem.php";
15        </script>
16    <?php } else{ ?>
17        <script>
18            alert("Something went wrong");
19            window.location="myItem.php";
20        </script>
21    <?php
22    }
23    mysqli_close($conn);
24    } else{
25        include('404.php');
26    }
27    ?>
```

## Login and logout

```
1 <?php
2 session_start();
3 if(isset($_POST['email']) &&isset($_POST['password'])) {
4     $email= $_POST['email'];
5     $password=md5($_POST['password']); //Encryption
6     include('inc/dbConn.php');
7     $sql="SELECT user.firstName, user.email, user.status, role.roleName, user.uid FROM user,role
8     WHERE user.email='$email' AND user.password='$password' AND user.rid=role.rid limit 1";
9     $result=mysqli_query($conn,$sql);
10    $no=mysqli_num_rows($result);
11    if($no>0){
12        while( $row=mysqli_fetch_assoc($result)){
13            if($row['status']=="active"){
14                $_SESSION['userName']=$row['firstName'];
15                $_SESSION['roleName']=$row['roleName'];
16                $_SESSION['uid']=$row['uid'];
17            }
18        }
19        header('location:index.php');
20    } else{
21        ?>
22        <script>
23            alert("Invalid Login");
24            window.location="index.php";
25        </script>
26        <?php
27            }
28            mysqli_close($conn);
29    }
30 ?>
```

```
1 <?php
2 session_start();
3 unset($_SESSION['userName']);
4 unset($_SESSION['roleName']);
5 unset($_SESSION['uid']);
6 $res=session_destroy();
7 header('location:index.php');
8 ?>
```

## Uploading images

```
1 <?php
2 if(isset($_SESSION['userName'])){
3     if(isset($_FILES['myFile'])){
4         $errors= array();
5         $file_name = $_FILES['myFile']['name'];
6         $file_size =$_FILES['myFile']['size'];
7         $file_tmp =$_FILES['myFile']['tmp_name'];
8         $file_type=$_FILES['myFile']['type'];
9
10        if(empty($errors)==true){
11            move_uploaded_file($file_tmp,"uploads/".$file_name);
12            if(empty($file_name)==true){
13                $image=$_POST['img'];
14            }else{
15                $image=$file_name;
16            }
17        }else{
18            print_r($errors);
19        }
20    }
21 } else{
22     include('404.php');
23 }
24 ?>
```

## Add to cart function

```
24 <section class="container-fluid">
25   <div class="row">
26     <div class="bg-light col-lg-10 col-lg-offset-1 col-md-10 col-md-offset-1 col-sm-10 col-sm-offset-1 col-xs-12" style="min-height:450px;">
27       <?php
28         include('inc/dbConn.php');
29         $sql="SELECT * FROM shopcart" ;
30         $result=mysqli_query($conn,$sql);
31         $no=mysqli_num_rows($result);
32       ?>
33       <div style="clear:both; float:left; margin:10px;">
34         <font style="font-size:35px; font-weight:500; padding-left:10px;" title="shop-cart">Shopping Cart</font>
35       </div>
36       <div style="clear:right; float:right; margin:10px;">
37         <a class="btn btn-primary btn-lg" title="available-items">Cart <?php echo "(".$no.")";?></a>
38         <form action="deleteCart.php" onSubmit="return getConfirmation();" style="display:inline-block;">
39           <button class="btn btn-danger btn-lg"><span class="glyphicon glyphicon-remove"></span> Clear</button>
40         </form>
41       </div>
42       <hr style="clear:both;">
43     <?php
44       if($no>0){
45     ?>
46     <table class="table table-bordered table-responsive">
47       <tr class="table-head">
48         <td align="center">NO</td>
49         <td align="center">Item Brand</td>
50         <td align="center">Item Name</td>
51         <td align="center">Item Category</td>
52         <td align="center">Sale Price($)</td>
53         <td width="15%" align="center">Quantity</td>
54         <td align="center">Amount($)</td>
55       </tr>
56     <?php
57       $no=0;
58       while( $row=mysqli_fetch_assoc($result)){
59         $no++;
60     ?>
61     <tr>
62       <td align="center"><span class="badge badge-dark"><?php echo $no; ?></span></td>
63       <td><?php echo $row['itemBrand']; ?></td>
64       <td><?php echo $row['itemName']; ?></td>
65       <td><a href="<?php echo $row['itemCat']; ?>.php" style="text-decoration:none;"><?php echo $row['itemCat']; ?></a></td>
66       <td align="right">
67         <script>
68           var rs= <?php echo $row['price']; ?>;
69           var per= <?php echo $row['discount']; ?> /100;
70           var dis= rs*per;
71           var price= rs-dis;
72           document.write(price.toFixed(2));
73         </script>
74       </td>
75       <td align="center">
76         <form action="updateCart.php">
77           <button type="submit" class="btn btn-warning btn-xs pull-right"><span class="glyphicon glyphicon-plus"></span></button>
78           <input type="number" name="quantity" class="col-xs-5 pull-right" value="<?php echo $row['quantity']; ?>" />
79           <input type="hidden" name="itemId" value="<?php echo $row['itemId']; ?>" />
80         </td>
81       <td align="right">
82         <input type="text" style="text-align:right;" id="<?php echo "t".$no;?" class="col-xs-4 pull-right" readonly/>
83         <script>
84           var rs= <?php echo $row['price']; ?>;
85           var per= <?php echo $row['discount']; ?> /100;
86           var dis= rs*per;
87           var price= rs-dis;
88           var quan= <?php echo $row['quantity']; ?>;
89           var out=document.getElementById("t<?php echo $no;?>");
90           var x=Number(Number(price.toFixed(2))*Number(quan));
91           out.value=x.toFixed(2);
92         </script>
93       </td>
94     </tr>
95   </table>
96   <?php } ?>
97   <tr>
98     <td colspan="6" align="right"><button class="btn btn-success" onClick="total();">Net Total</button></td>
99     <td align="right" width="30%"><span class="pull-left">Total Amount:</span><input type="text" id="netTotal" style="text-align:right;
100     font-weight:bold; font-size:20px" class="col-xs-5 pull-right" readonly/>
101     <script>
102       function total(){
103         var tot=0;
104         for(x=1;x<=<?php echo $no;?>;x++){
105           var out=document.getElementById("t"+x);
106           tot+=Number(out.value);
107           var net=document.getElementById("netTotal");
108           net.value=tot.toFixed(2);
109         }
110       }
111     </script>
112   </td>
113 </tr>
114 </table>
115 <button class="btn btn-primary btn-lg pull-right" onClick="downBill();">Buy it!</button>
```



## Google map insertion

```
36 <!-- Google map -->
37 <div class="mapouter">
38   <div class="gmap_canvas">
39     <iframe width="500" height="200" id="gmap_canvas"
40       src="https://maps.google.com/maps?q=wellawatte%2C%20colombo%20srilanka&t=&z=17&ie=UTF8&iwloc=&output=embed"
41       frameborder="0" scrolling="no" marginheight="0" marginwidth="0"></iframe>
42   </div>
43   <style>.mapouter{position:relative;text-align:right;height:200px;width:500px;}
44   .gmap_canvas {overflow:hidden;background:none!important;height:200px;width:500px;}</style>
45 </div>
```

## Slide down effect used in Collections page

```
3 //priceList
4 $(function(){
5     $("#product_A1").on({
6         mouseenter: function(){
7             $(this).removeClass('outline');
8             $("#productA1").slideDown(1000);
9         },
10        mouseleave: function(){
11            $(this).addClass('outline');
12            $("#productA1").slideUp(1000);
13        }
14    })
15 })
16
17 $(function(){
18     $("#product_A2").on({
19         mouseenter: function(){
20             $(this).removeClass('outline');
21             $("#productA2").slideDown(1000);
22         },
23        mouseleave: function(){
24            $(this).addClass('outline');
25            $("#productA2").slideUp(1000);
26        }
27    })
28 })
29
30 $(function(){
31     $("#product_A3").on({
32         mouseenter: function(){
33             $(this).removeClass('outline');
34             $("#productA3").slideDown(1000);
35         },
36        mouseleave: function(){
37            $(this).addClass('outline');
38            $("#productA3").slideUp(1000);
39        }
40    })
41 })
```

## Zoom in effect using in Index page

```
229  /* Item list-home */
230  #content img{
231      width:350px;
232      height:350px;
233      margin:10px;
234  }
235  #content img:hover{
236      width:370px;
237      height:370px;
238      margin:0px;
239      box-shadow:5px 10px 5px rgba(2,2,2,0.2);
240  }
```

## Deleting profile

```
1  <?php
2      session_start();
3      if(isset($_SESSION['userName'])){
4          if(isset($_GET['uid'])){
5              $uid=$_GET['uid'];
6          }
7          include('inc/dbConn.php');
8          $sql="DELETE FROM user WHERE uid='$uid'";
9          $result=mysqli_query($conn,$sql);
10         if($result){
11             if($_SESSION['roleName']=='admin'){
12                 ?>
13                     <script>
14                         alert("User account is DELETED");
15                         window.location="users.php";
16                     </script>
17             } else if(isset($_SESSION['userName'])){ ?>
18                 <script>
19                     alert("Your account is DELETED");
20                     window.location="logout.php";
21                 </script>
22             }
23         } else{
24             ?>
25                 <script>
26                     alert("Something went wrong");
27                     window.location="myProfile.php";
28                 </script>
29             }
30         }
31     }
32     mysqli_close($conn);
33 } else{
34     include('404.php');
35 }
36 ?>
```

## System setup

### XAMPP setup guide line

- i. First, you should have opened the XAMPP Control Panel.
- ii. Start apache and MySQL modules.
- iii. Check whether your project file is inside the correct directory or not by using below link in file explorer.  
"C:\\xampp\\htdocs\\"
- iv. Then open your web browser and type URL  
<https://localhost/dashboard/>
- v. After type website folder name at end of that URL. (File name- "Project")  
Eg: <https://localhost/dashboard/Project/>

## Conclusion

As per the final project requirements (for DIWE certificate), I hope this proposed prototype project will cover the all requirements.

Username and Passwords for functionality check:

Email	Role	Password
rupee@gmail.com	Admin	077
karan@gmail.com	Root	123
kavin@gmail.com	Root	075

**Note:** For 100 % functionality of the web site, access to the internet is required for the following pages.

- Contact Us panel in Footer - Google map
- Panels which has connections to social media sites- Hyperlinks used at different places



## References (Sources) used

- Theory book part 1 and 2
- Codes we have implemented during the course period (practical work)
- [www.w3school.com](http://www.w3school.com)
- Google map codes -  
<https://developers.google.com/maps/tutorials/fundamentals/adding-a-google-map>