Contents

**Title**

1. Introduction...................................................................................2-3
2. Abstract......................................................................................... 3
3. Aim of the project..........................................................................3
4. Draw Back Existing System...........................................................4
5. Existing System........................................................................5
6. Proposed System................................................................6-8
7. Feasibility Study.........................................................................8--12
8. Project Planning and Schedule...................................................12--14
9. Software Model Process.........................................14-15
10. Gantt Chart..............................................................15-16
11. Software Requirements Specification...........................................16-17
12. Hardware requirements...........................................17-18
13. Software requirements............................................18-19
14. Software Design Descriptions(SDD).........................................19-20
15. Data flow diagram...................................................20-22
16. Database Design......................................................22-23
17. ER Diagram(Entity Relationship)...............23-25
18. Data structure and dictionary........................25-27
19. User interface Design with Screen Images...................................27-28
20. Software Test Documentation..................................................28-30
21. Test approach.......................................................30-35
22. Unit testing..................................................35-39
23. System or integration Testing.........................35-39
24. Test cases.......................................................39-40
25. Source Code............................................................................40-52
26. Conclusion..............................................................................52-55
27. References..................................................................................55-56
28. **INTRODUCTION**

This project aims to develop a website and mobile application . As the technology advances, the way of life changes in accordance. Nowadays we can place the order for anything from our home. There is no need to go to the store to buy the things we want. The order can be placed online through internet. The payment, the confirmation of purchasing can all be handled electronically.

.

1. **Abstract of the project**

This system helps in building a website and application to buy clothes using internet connection. Purchasing of goods online, customer can choose different products based on categories and it will provide a faster delivery service.

1. **AIMS OF THE PROJECT**

This system will help the customer to purchase the latest clothes online through this website. The main objective of Shillong Fashion is to provide the fastest delivery service. Products will be directly send to the recipient within 5days .Therefore, customers can save their time and money and provides total convenience

1. **DRAW BACK OF THE EXISTING SYSTEM**

**1. Existing System**

* + 1. In the existing system the customer they purchase the product offline
    2. To buy any clothes or product the customer has to collect information from the shop or asking people or friends which is better.
    3. In the existing system all transactions, dealing of products, purchasing of products are done manually which is time consuming
    4. Its difficult to find the best product because offline doesn’t have so much variety.
    5. Even going shop to shop consume lots of time and money.
    6. Suppose if you ask too much question from the shopkeeper then the shopkeeper gets irritated .

**ii. Proposed System**

The disadvantage present in the existing system can be overcome using proposed system

* Multiple orders can be made
* Products can be comparable in price
* Save time
* Freedom of choice
* Early delivery
* Anytime any day you can order.

1. **FEASIBILITY STUDY**

After initial investigation was completed, it is necessary to check whether the propose system is feasible or not .To determine the feasibility study was carried out to test if the propose system taking into account is workability, impact on the organization and its ability to meet the end user’s needs and its effective use of the available resources.

1. **Technical feasibility**

We have used php as a main language due to its popularity and speed Html, Css, JavaScript as a client side language. To grow with the modern technology we have used Google’s material design (materializecss.com) by team Dogfalo. We need to use payment gateway so that customer can pay for the products. Paypal ,PayU Money, CCAvenue, Paytm was the option for us , but CCAvenue met our expectation and we used CCAvenue as payment gateway.

1. **Economical feasibility**

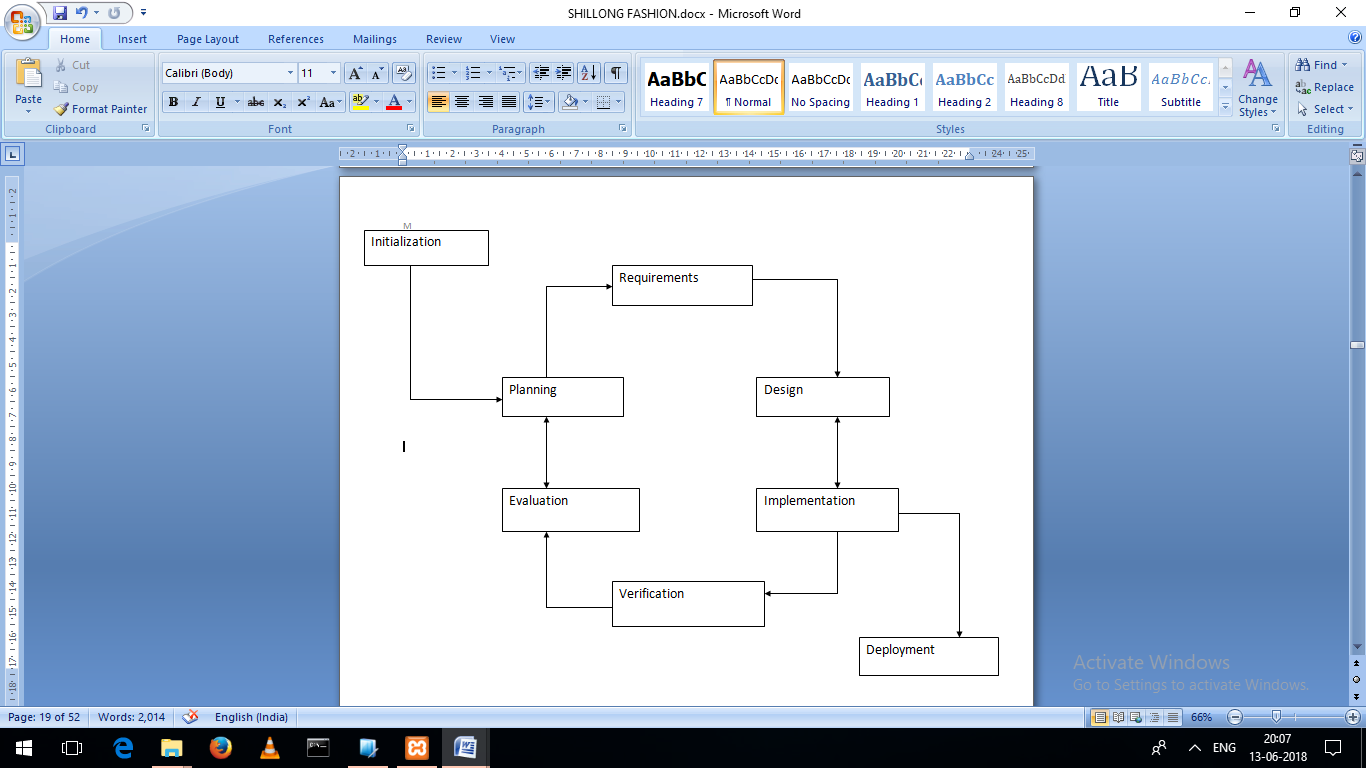
Development of this application is economically feasible. The only thing to be done is making our day to day life easy. By using this system people will save their time and product’s prices are affordable because the profit margin of dealers are deducted hence, online customers gets products at affordable prices.

1. **Behavioural Feasibility**

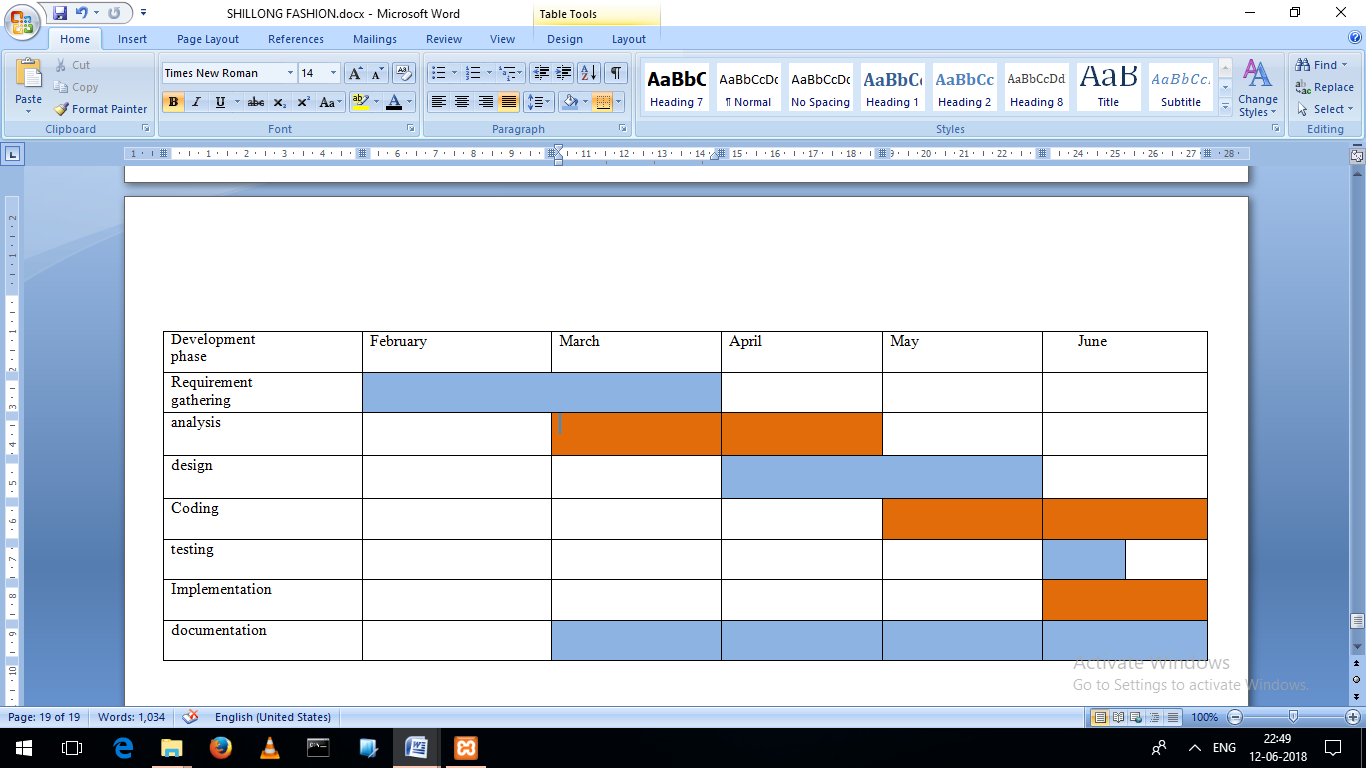
People resist to change and they want simple and same system everywhere. So we designed our system so user friendly that anybody can work on it. Its said “difficult system can make us lose customer and employees”.

1. **PROJECT PLANNING AND SCHEDULE**

**i.**



**ii. Gantt Chart**

****

1. **SOFTWARE REQUIREMENT SPECIFICATIONS(SRS)**
2. **Software Specifications:**

|  |  |
| --- | --- |
| Code editor | Notepad++,Dreamweaver |
| Language Used | PHP 7.2.6 |
| Database | Mysql |
| User Interface Design | HTML, JavaScript, CSS  (materialize CSS framework) |
| Web Browser | Mozilla, Google Chrome |
| server | Apache |

1. **Hardware Requirements:**

|  |  |
| --- | --- |
| Operating system | Window 7 and above |
| RAM | 4GB |
| HDD | 20 GB minimum |
| processor | Pentium 4 and above |

1. **SOFTWARE DESIGN DESCRIPTION(SDD)**

The design process actually translate requirement into the representation of the software that can access for quality before code generation begins. The design is documented as part of the software configuration

Design begins by using identified system problem as a basic developing objective for the new system. In then proposes a system that satisfies the objectives.

The most creative and challenging phase of the system life cycle is system design. It refers to the technical specification that will be applied in implementing the candidate system. System design specifies how the system will achieve the objectives of the proposed system.

1. **SYSTEM ARCHITECTURE DESIGN**
2. Data Flow Diagram is the graphical representation of the flow of data in a system. It depicts the input and output of data. It clarifies system requirements and identifies major transformation that will become programs to system design. Hence, it is the starting phase of the design

* **External Entity:** A rectangle defines external entity that which interact with the system by imputing data into the system and taking output.

**Entity**

* **DATA FLOW**: An arrow identifies the data flow occurring between two processes or between two external entities. It is a pipeline through which information flows.

**Data Flow**

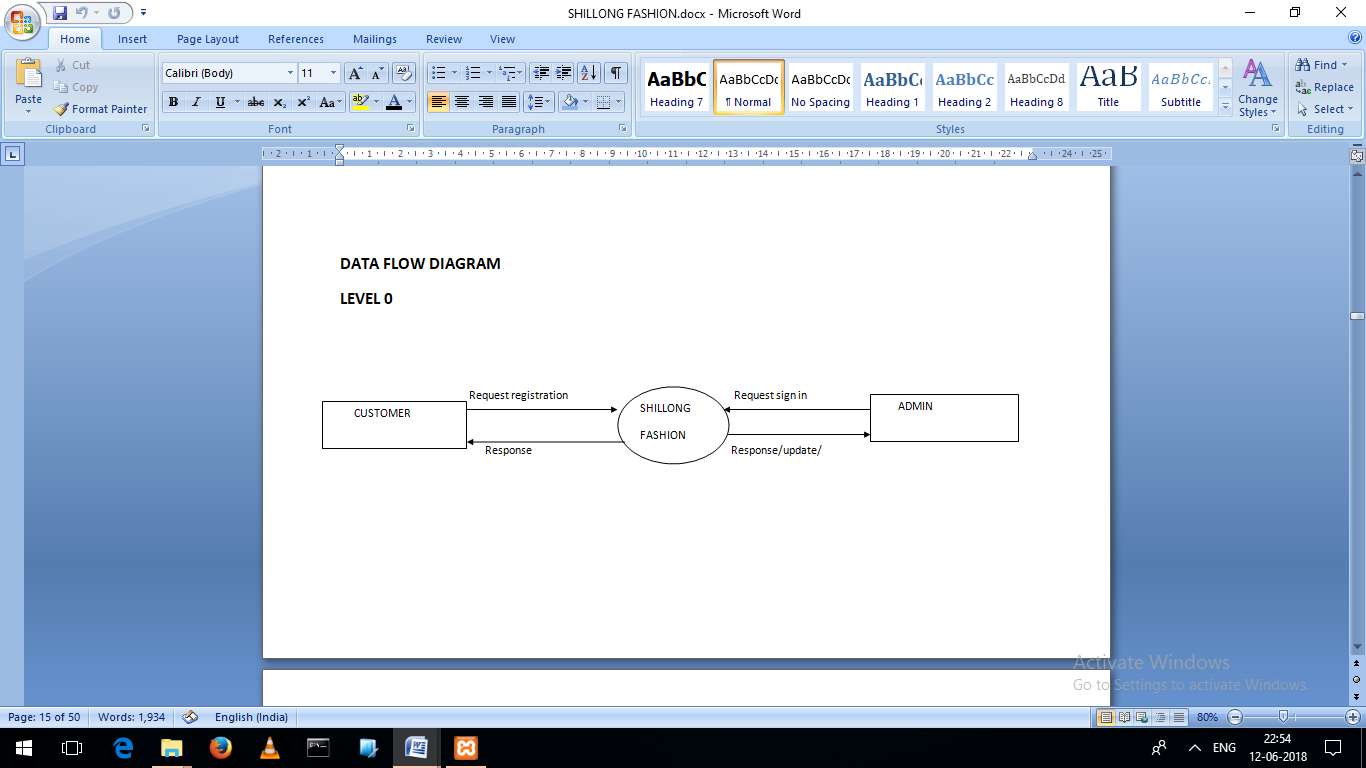
* **Oval:** Oval represent the process that transforms data flow into out coming data flow.

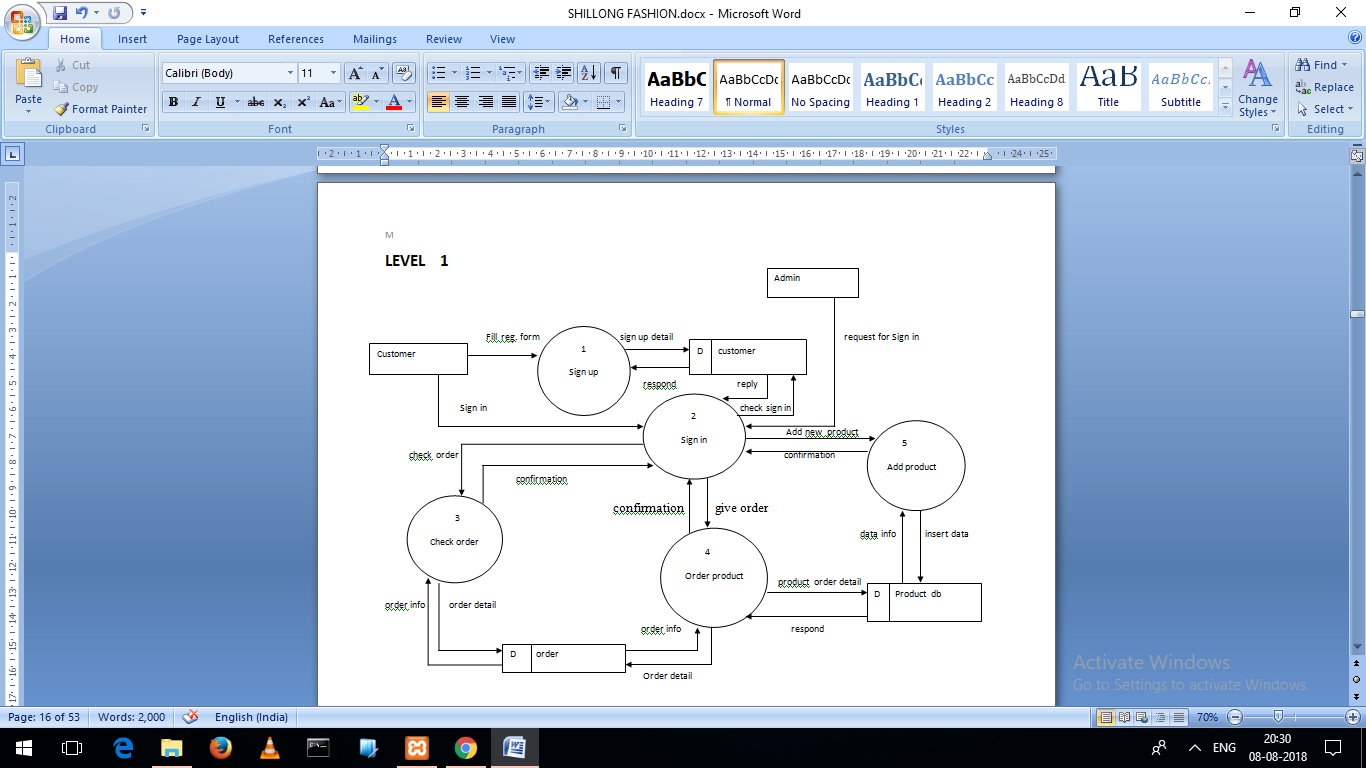
**Process**

* **DATA STORE:** The data store represent a logical file. A logical file can represent either a data store symbol, which can represent either a data structure, or a physical file on data

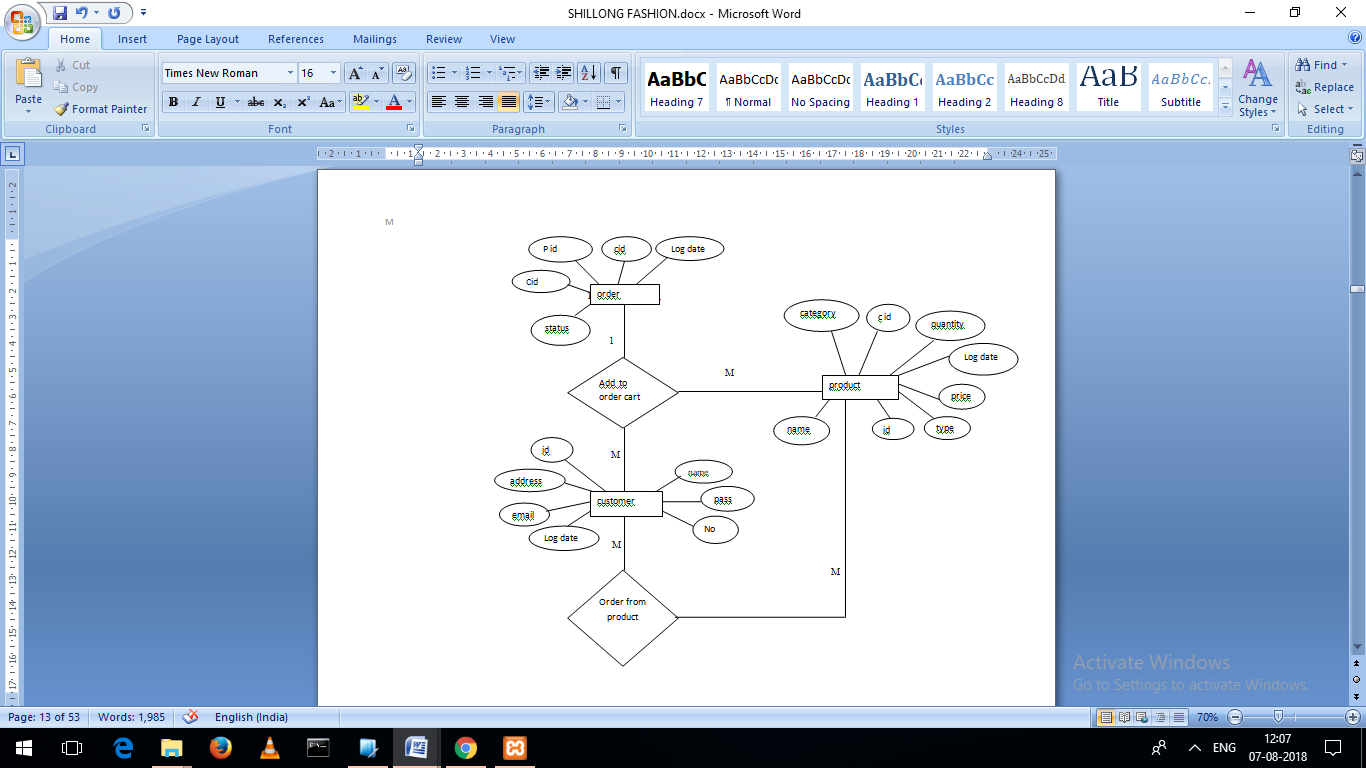
D

**DATA STORE**

****

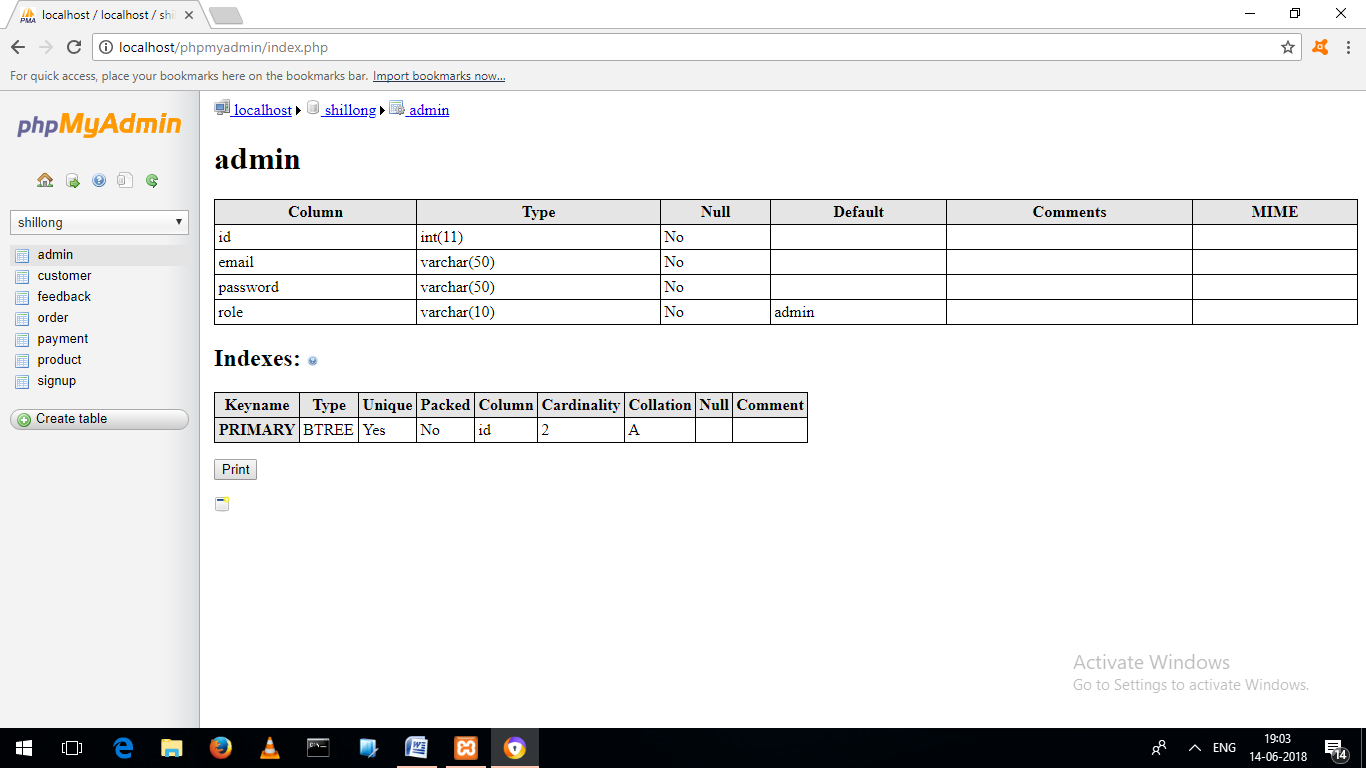
****

1. **DATABASE DESIGN**
2. **ER DIAGRAM**

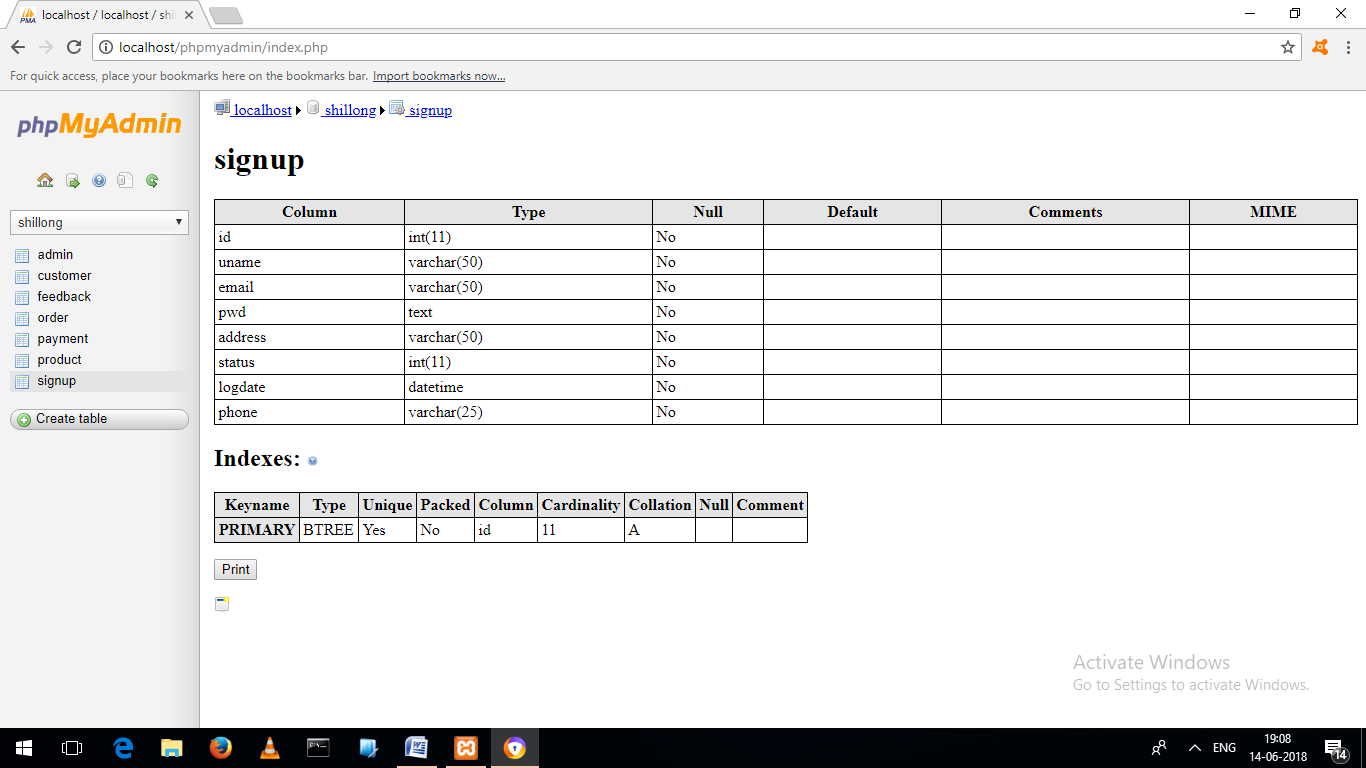
****

1. **TABLE STRUCTURE**

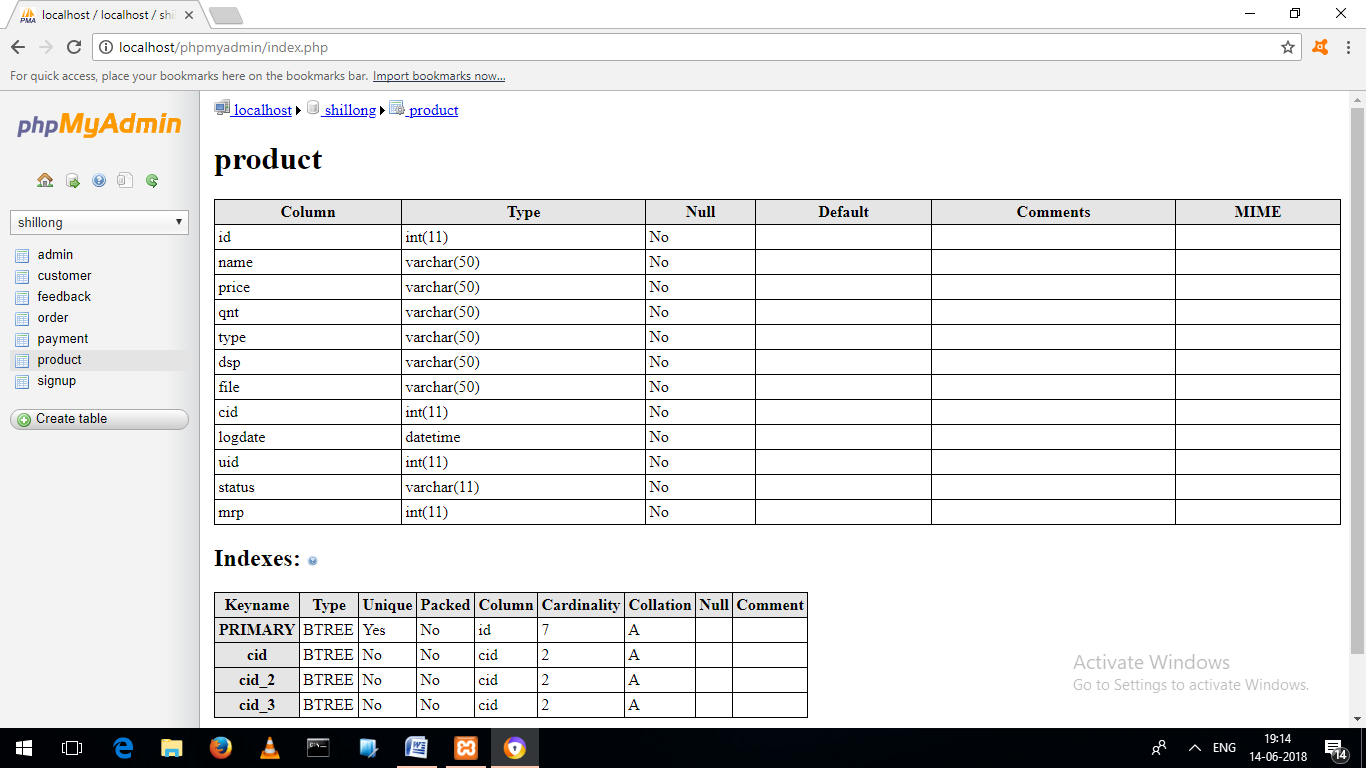
**ADMIN**



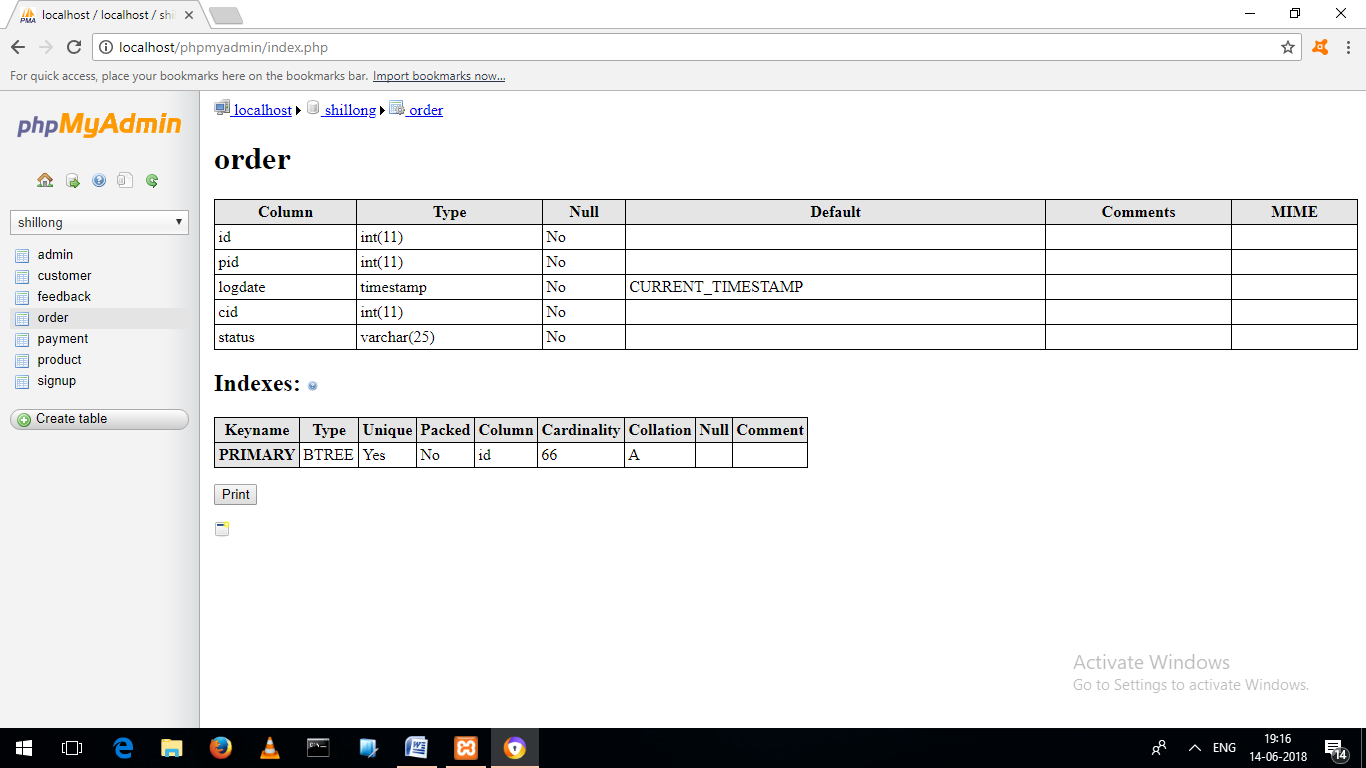
**CUSTOMER**

****

**PRODUCT**

****

**ORDER**

****

**DATA DICTIONARY**

**ADMIN**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl.no** | **Attribute** | **Data type** | **Description** | **constraint** |
| 1 | Admin id | int(11) | Administrator  id | Primary key |
| 2 | Email | Varchar(50) | Email for the  Administrator |  |
| 3 | Password | Varchar(50) | Email for the  Administrator |  |

**CUSTOMER**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl.no** | **Attribute** | **Data type** | **Description** | **Constrain** |
| 1 | Id | Int(11) | Customer id | Primary key |
| 2 | Uname | Varchar(90) | uname |  |
| 3 | Email | Varchar(90) | email |  |
| 4 | Pwd | text | password |  |
| 5 | Address | Varchar(90) | address |  |
| 6 | Phone | Varchar(90) | Phone number |  |
| 7 | Status | Int(11) | status |  |
| 8 | Logdate | datetime | Last login datetime |  |

**PRODUCT**

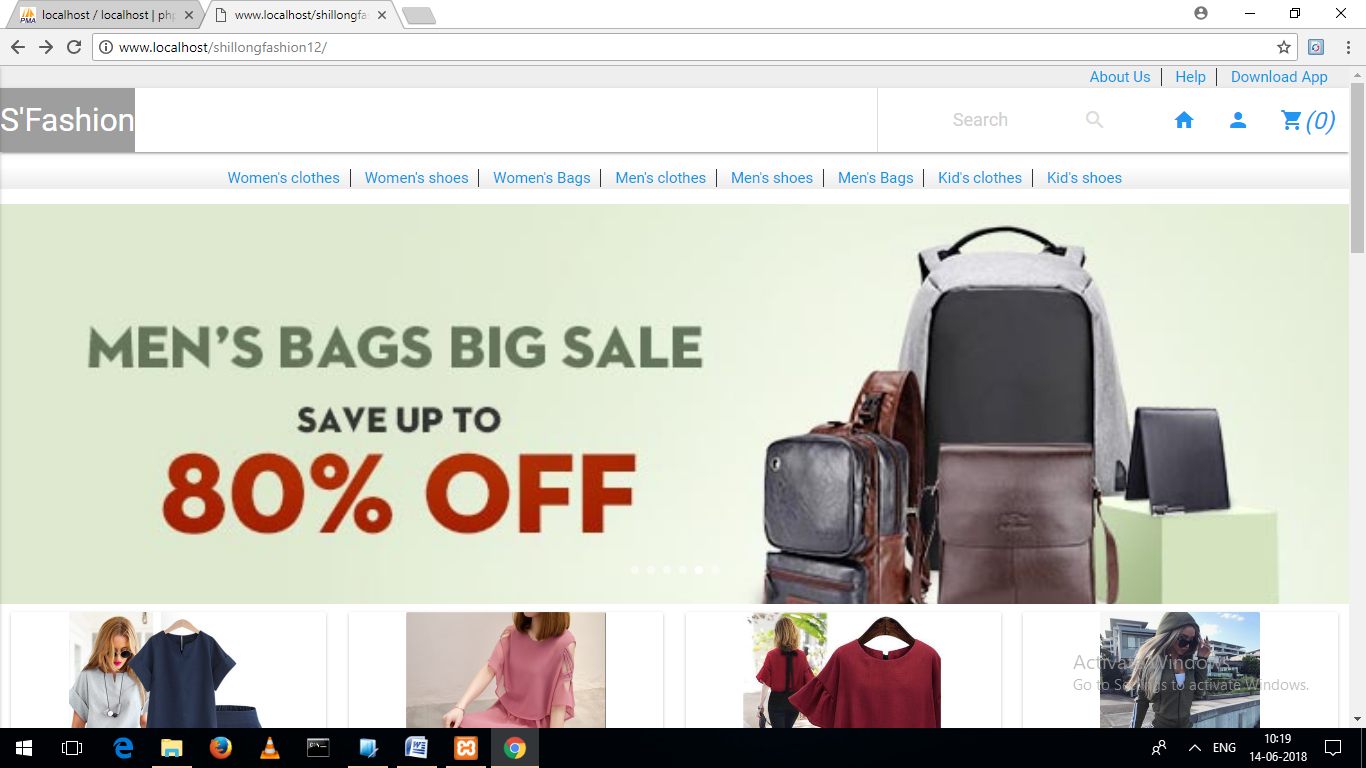
|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl.no** | **Attribute** | **Data type** | **Description** | **Constrain** |
| 1 | Id | Int(11) | Product id | Primary key |
| 2 | Name | Varchar(50) | Product name |  |
| 3 | Price | Varchar(50) | Product price |  |
| 4 | Quantity | Varchar(50) | Product  quantity |  |
| 5 | Type | Varchar(50) | Product  type |  |
| 6 | description | Varchar(50) | Product  description |  |
| 7 | File | Varchar(50) | Product  file |  |
| 8 | cid | Int(11) | Product  categories | Foreign key |
| 9 | logdate | datetime | Product  datetime |  |
| 10 | Uid | Int(11) | uid | Foreign key |
| 11 | status | Varchar(50) | status |  |
| 12 | Mrp | Int(11) | mrp |  |

**ORDER**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl.no** | **Attribute** | **Data type** | **Description** | **Constrain** |
| 1 | Id | Int(11) | Order id | Primary key |
| 2 | Pi | Int(11) | Product id | Foreign key |
| 3 | logdate | timestamp | Order datetime |  |
| 4 | cid | Int(11) | Categories id | Foreign key |
| 5 | Status | Varchar(25) | Order status |  |

1. **USER INTERFACE DESIGN**
2. **SCREEN IMAGES**

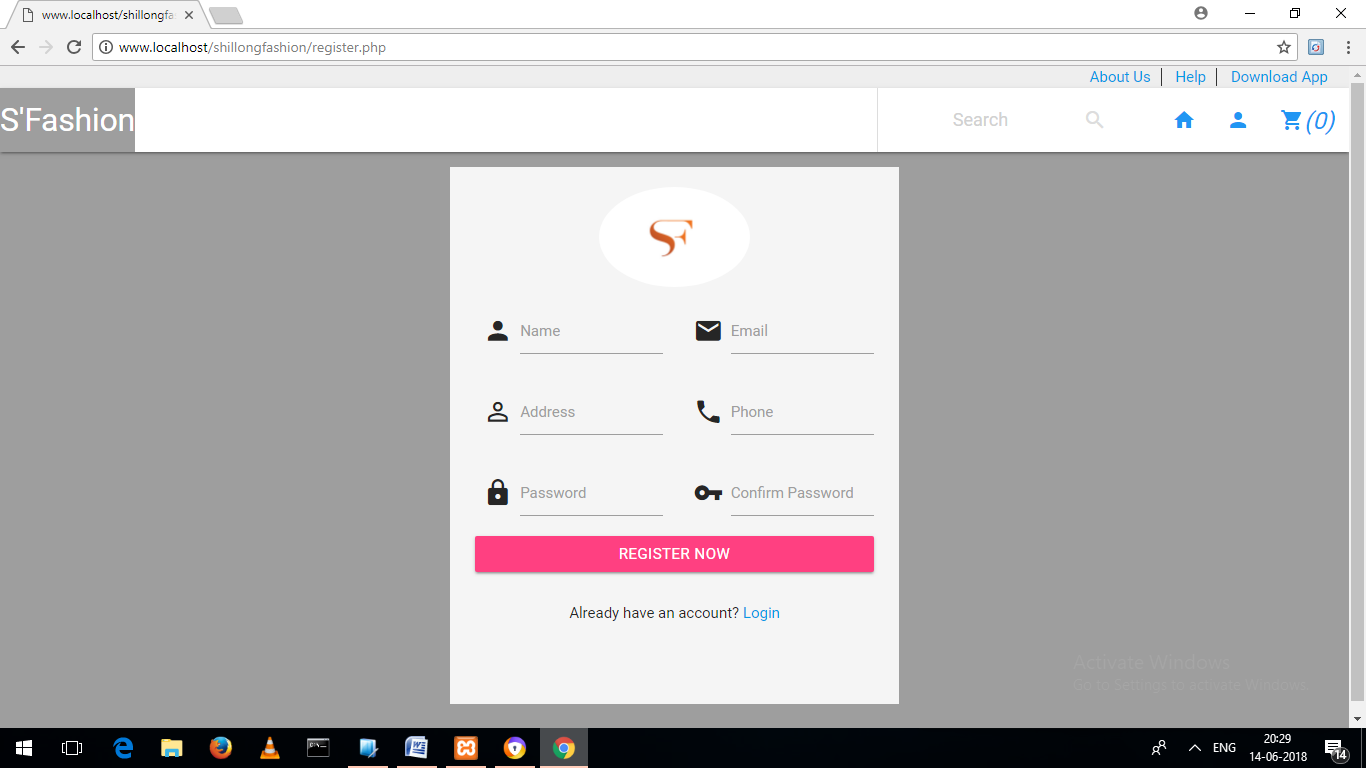
**HOME PAGE**



**Description:**

The home page is the first page that appears first on the site which contain all the menu, product list and the product that has been uploaded.

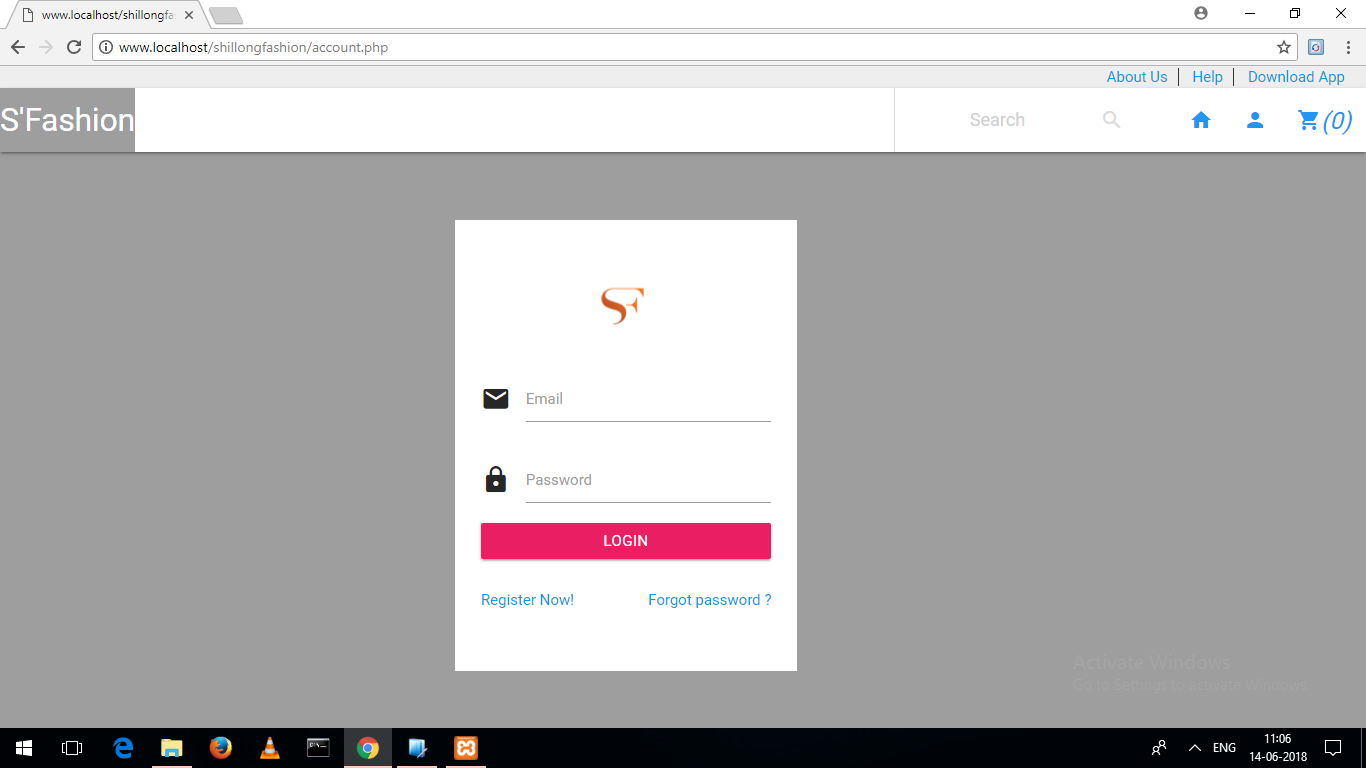
**REGISTRATION PAGE**



**Description:**

This is for new customer to get access to the site by fill up their information’s for purchasing products.

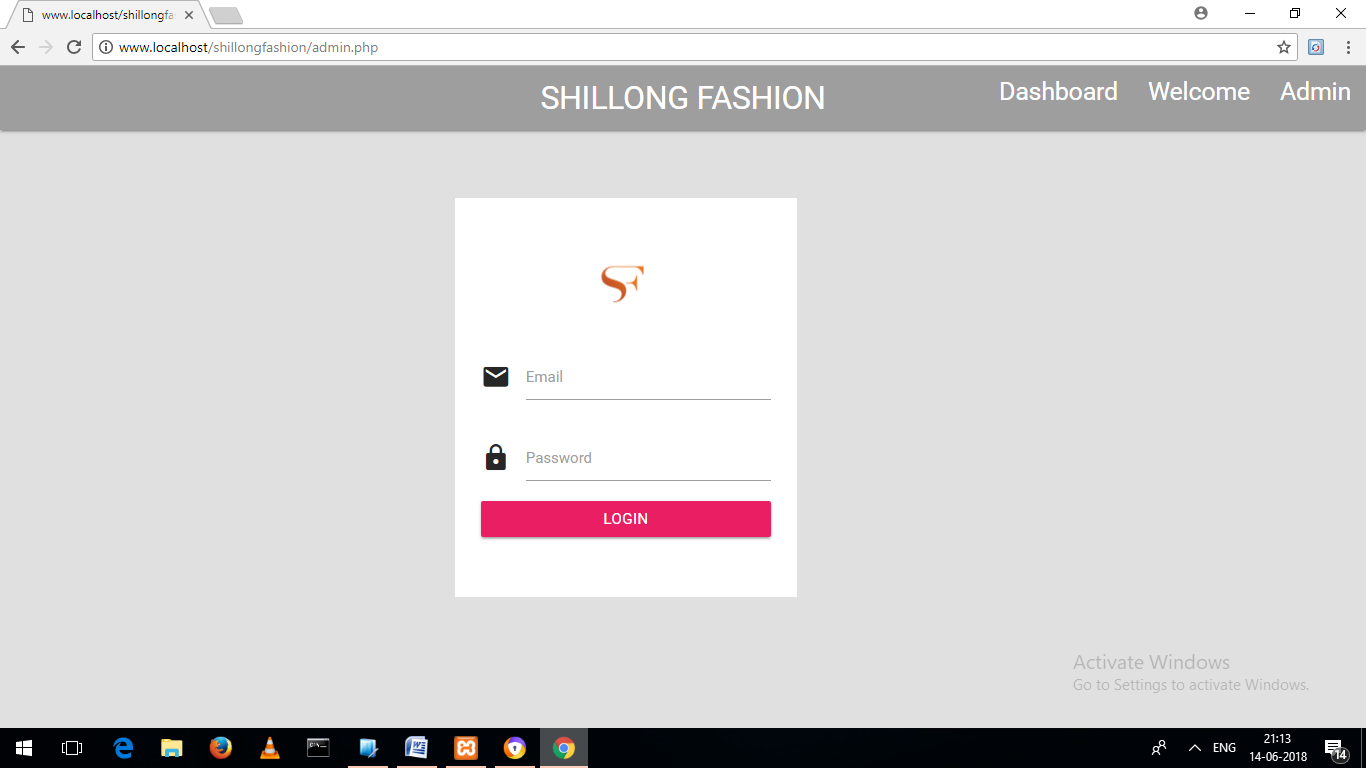
**LOGIN PANEL**

****

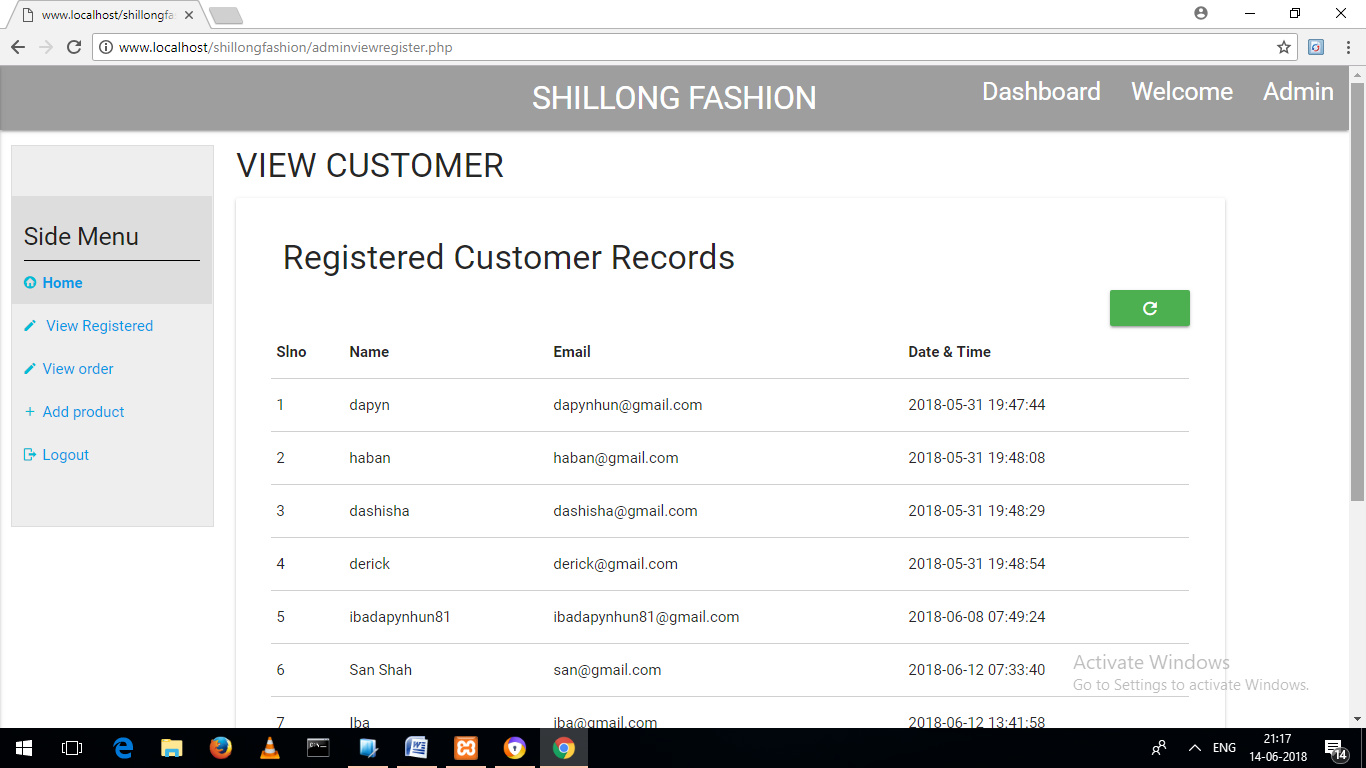
**Description**

The login panel provides for the customer or user to get access to the site.

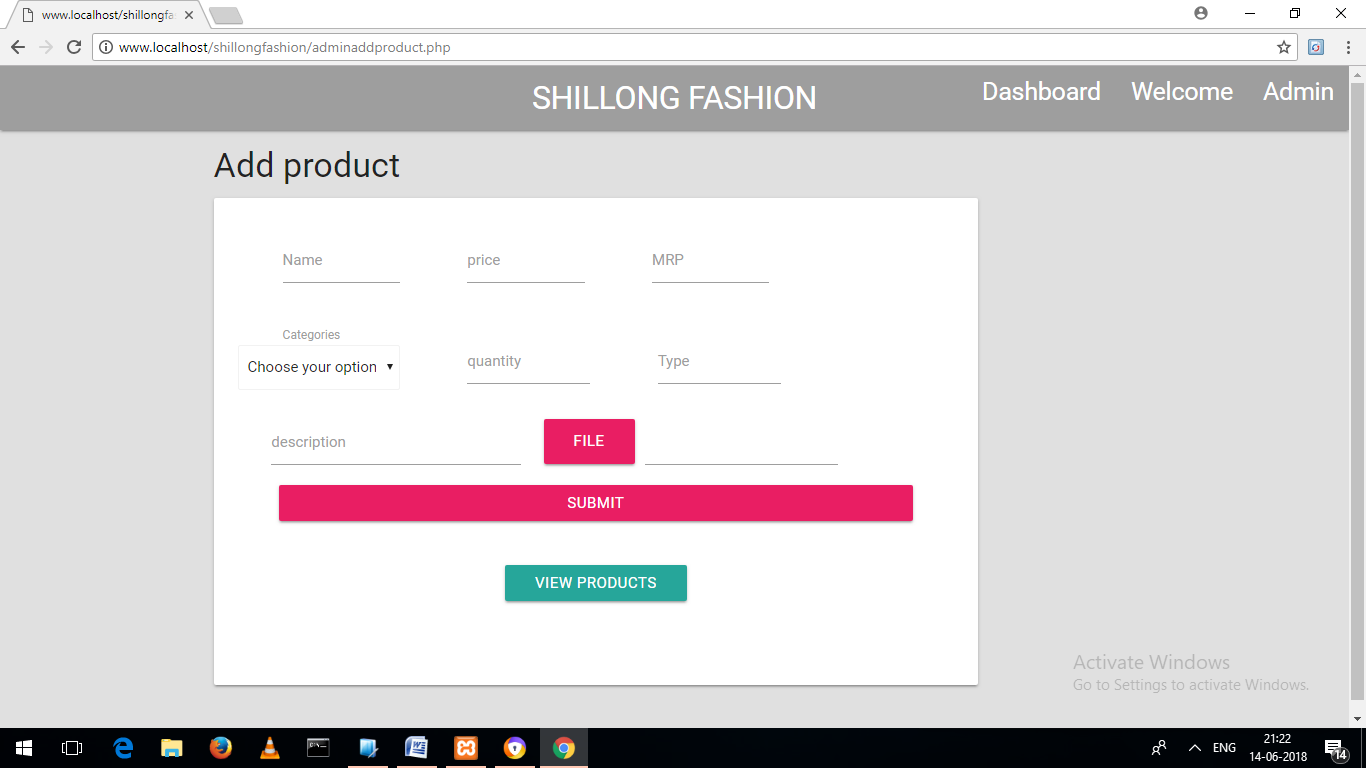
**ADMIN LOGIN**

****

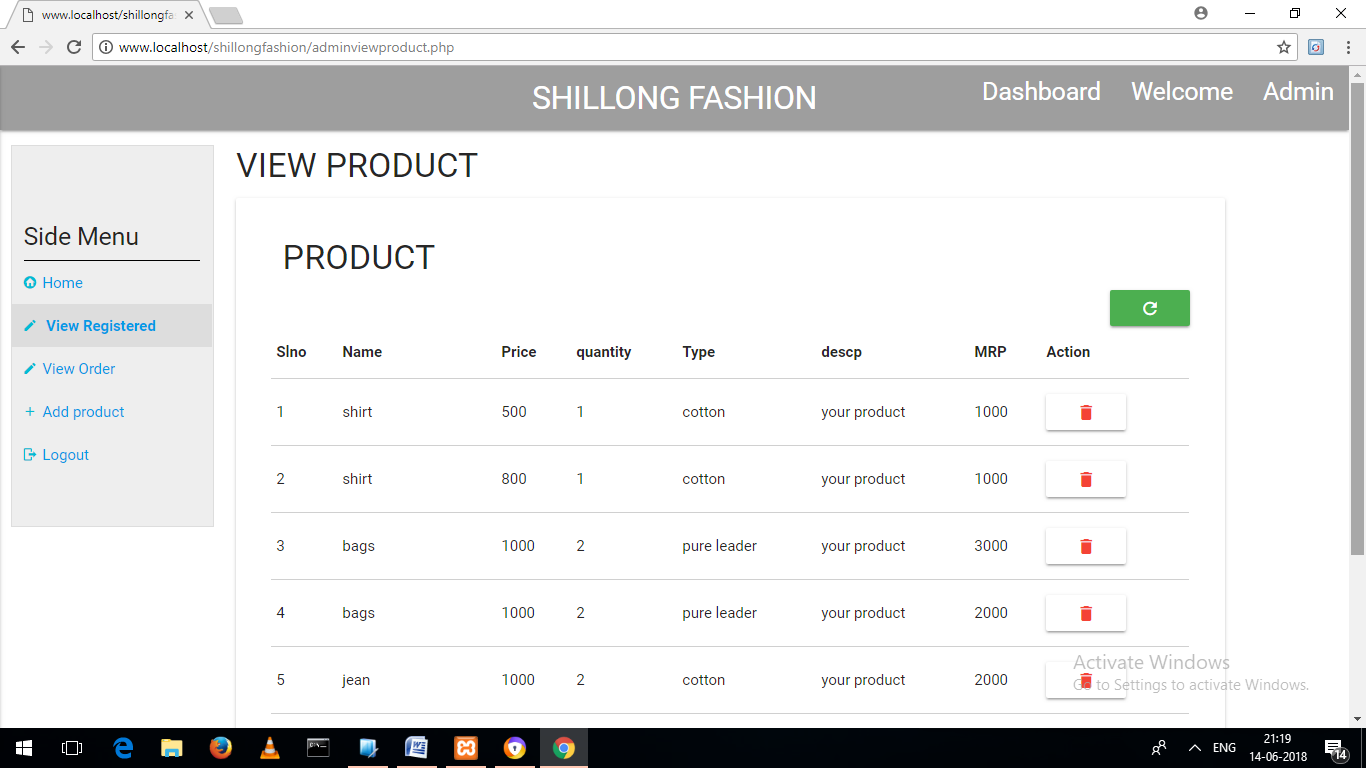
**VIEW REGISTERED**

****

**ADD PRODUCT**



**VIEW PRODUCTS**

****

**10. SOFTWARE TEST DOCUMENTATION**

Objective of testing plan is to define the various testing strategies and testing tools of

testing used for complete testing life cycle of the project.

* **UNIT TESTING**

Unit testing is carried out for the various modules of the program. It tests every single

Code and unit of module of the program to find out errors and to fixed the error.

Different module is tested against the specification produced during the design for the module. Each and every module are tested to find the expected outcome for the specification requirements.

The different module tested using units testing are as follows

1. Customer page

* Home
* Register
* Login
* View product
* Order product
* Ordered history
* payment
* Logout

1. Admin page

* Login
* Add product
* Edit/delete product
* View registered customer
* View order
* Logout admin
* **INTEGRATION TESTING**

Integration testing is carried out to test the entire system and find whether the whole modules or system are meet the specification requirements or not and also to find out error and limitation

* **TEST CASES**

Below is the system testing report. It test the following

* GUI
* Database
* Basic Function

**LOGIN**

|  |  |  |  |
| --- | --- | --- | --- |
| NO | ACTION | EXPECTED RESULT | PASS/FAIL |
| 1 | Login with invalid email and password | Error message display | Pass |
| 2 | Login with empty field | Request for email and password | pass |
| 3 | Enter valid email and password | Welcome message display and access page appear | pass |

**REGISTRATION**

|  |  |  |  |
| --- | --- | --- | --- |
| NO | ACTION | EXPECTED RESULT | PASS/FAIL |
| 1 | Enter name character | allowed | pass |
| 2 | Enter password required | allowed | pass |
| 3 | Enter un-match password with confirm password | Not allowed | pass |
| 4 | Enter match password | allowed | pass |

**OVER ALL TEST**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No | Cases | ACTION | EXPECTED RESULT | PASS/FAIL |
| 1 | To access to the application | Enter correct password and email | Access to the required page | pass |
| 2 | To purchase product | Select the product that has choose | Selected product appear | pass |
| 3 | Update record from the databases | Enter correct detail | The system update from the databases | pass |
| 4 | View details of the product | Select the product and view | The system show the details | pass |
| 5 | View order | Select view order button | The system show the orders | pass |
| 6 | Delete record from the database | delete button | Delete successfully | pass |
| 7 | Navigate to different form | Navbar | The system open the form | pass |

**11.SOURCE CODE SNIPPETS OF TWO MODULES**

1. **CUSTOMER MODULE**

index

<!DOCTYPE html>

<html>

<head>

<link type="text/css" rel="stylesheet" href="assets/css/materialize.min.css" media="screen,projection"/>

<!-- Mdi -->

<link type="text/css" rel="stylesheet" href="assets/mdi/css/materialdesignicons.min.css" media="screen,projection"/>

<link type="text/css" rel="stylesheet" href="assets/css/custom.css" media="screen,projection"/>

<!--Let browser know website is optimized for mobile-->

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

</head>

<body>

<?php include('topnavbar.php') ?>

<div class="carousel carousel-slider center" data-indicators="true">

<div class="carousel-fixed-item center">

</div>

<div class="carousel-item slide1" href="#one!" >

<h2></h2>

<p class="white-text"></p>

</div>

<div class="carousel-item slide2" href="#two!">

<h2></h2>

<p class="white-text"></p>

</div>

<div class="carousel-item slide3" href="#three!">

<h2></h2>

<p class="white-text"></p>

</div>

<div class="carousel-item slide4" href="#four!">

<h2></h2>

<p class="white-text"></p>

</div>

<div class="carousel-item slide5" href="#four!">

<h2></h2>

<p class="white-text"></p>

</div>

<div class="carousel-item slide6" href="#four!">

<h2></h2>

<p class="white-text">This is your fourth panel</p>

</div>

</div>

<div class="row">

<?php

$db = new DATABASE;

$products = $db->query("SELECT id,name,price,mrp FROM product where status='1' ORDER BY logdate desc ");

if(count($products)>0)

{

foreach($products as $p)

{

?>

</body>

</html>

**Register**

<!DOCTYPE HTML>

<html>

<head>

<link type="text/css" rel="stylesheet" href="assets/css/materialize.min.css" media="screen,projection"/>

<!-- Mdi -->

<link type="text/css" rel="stylesheet" href="assets/mdi/css/materialdesignicons.min.css" media="screen,projection"/>

<link type="text/css" rel="stylesheet" href="assets/css/custom.css" media="screen,projection"/>

<!--Let browser know website is optimized for mobile-->

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

</head>

<body class="grey">

<div class="row section">

<form action="p/register" method="post" id="regform" onsubmit="return false;">

<div class="col s12 m4 offset-m4 registerform grey lighten-4 center">

<div class="col s12 center-align"><img src="assets/img/sf.jpg" height="100px" class="circle"/>

</div>

<div class="col s12">

<div class="row margin">

<div class="input-field col s6">

<i class="mdi mdi-account prefix"></i>

<input id="name" type="text" name="uname"class="validate"/>

<label for="name">Name</label>

</div>

<div class="row margin">

<div class="input-field col s6">

<i class="mdi mdi-email prefix"></i>

<input id="email" type="email" name="email"class="validate"/>

<label for="email">Email</label>

</div>

<div class="input-field col s6">

<i class="mdi mdi-account-outline prefix"></i>

<input id="address" type="text" name="address"class="validate"/>

<label for="address">Address</label>

</div>

<div class="input-field col s6">

<i class="mdi mdi-phone prefix"></i>

<input id="phone" type="text" name="phone"class="validate"/>

<label for="phone">Phone</label>

</div>

<div class="input-field col s6">

<i class="mdi mdi-lock prefix"></i>

<input id="password" type="password" name="pwd" class="validate"/>

<label for="password">Password</label>

</div>

<div class="input-field col s6">

<i class="mdi mdi-key prefix"></i>

<input id="confirmpassword" type="password" name="cnfpwd" class="validate"/>

<label for="confirm password">Confirm Password</label>

</div>

<div class="row">

<div class="col s12">

<a class="col s12 waves-effect waves-light btn pink accent-2 " onclick="eliSubmit('#regform')" >Register now</a>

</div>

<div class="input-field col s12">

<p class="margin center medium-small sign-up">Already have an account? <a href="account.php">Login</a></p>

</div>

</form>

</div>

<!--Import jQuery before materialize.js-->

<script type="text/javascript" src="assets/js/jquery-3.2.1.min.js"></script>

<script type="text/javascript" src="assets/js/eli\_scripts.js"></script>

</body>

</html>

**Login**

<?php if(isset($\_SESSION['user']['id'])){

header('location: home.php');

} ?>

<!DOCTYPE HTML>

<head>

<link type="text/css" rel="stylesheet" href="assets/css/materialize.min.css" media="screen,projection"/>

<!-- Mdi -->

<link type="text/css" rel="stylesheet" href="assets/mdi/css/materialdesignicons.min.css" media="screen,projection"/>

<link type="text/css" rel="stylesheet" href="assets/css/custom.css" media="screen,projection"/>

<!--Let browser know website is optimized for mobile-->

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

</head>

<body class="grey">

<div class="row">

<form action="p/login" method="post" id="accform" onsubmit="return false;">

<div class="col s12 m3 offset-m4 white loginform">

<div class="input-field col s12">

<div class="col s12 center-align"><img src="assets/img/sf.jpg" height="100px" class="circle"/>

</div>

<div class="row margin">

<div class="input-field col s12">

<i class="mdi mdi-email prefix"></i>

<input id="email" type="email" name="email"class="validate"/>

<label for="email">Email</label>

</div>

text/javascript" src="assets/js/eli\_scripts.js"></script>

</body>

</html>

<?php

//$csrf\_got = @$\_POST['csrf'];

$validateEmail = false; // VALIDATE EMAIL (true/false)

$postedpage = $page[1];

switch ($postedpage){

case "login":

$validate = new VALIDATOR;

if(isset($\_POST['email']) && $validate->email($\_POST['email']) && $validate->required($\_POST['email'],'Email') && isset($\_POST['pwd']) && $validate->required($\_POST['pwd'],'Password') ) //&& check\_csrf($csrf\_got))

)

{

$sql = "SELECT id,email,password,role FROM admin WHERE email='$email' AND password='$pass'";

}

else

{

$sql = "SELECT id,uname,email,pwd,address,phone FROM signup WHERE email='$email' AND pwd='$pass'";

}

//echo $sql;

$result = new DATABASE;

$data = $result->query($sql);

$id = @$data[0]['id'];

//--------//

// print\_r($data);

if(COUNT($data)>0)

{

$\_SESSION['user'] = $data[0];

// logit('login');

echo "Successfull Login";

}

else

{

echo "Invalid Login, Try Again!";

}

}

}

break;

case "register":

$fdata['phone'] = $phone;

$fdata['status'] = 1;

$fdata['logdate'] = $logdate;

$fdata['email'] = $email;

$fdata['pwd'] = ($pass);

$data = $result->insert\_row('signup',$fdata);

// print\_r($data);

$userid = $data['id'];

if($data>0 && mysql\_error()=="")

{

echo $data['message'];

}

else

{

echo "Seems you already register, Kindly Login!";

}

}

else

{

echo "Seems you already register, Kindly Login!";

}

}

else

{

echo "Kindly fill your valid data correctly";

}

**ADMIN DASHBOARD**

<!DOCTYPE HTML>

<head>

<link type="text/css" rel="stylesheet" href="assets/css/materialize.min.css" media="screen,projection"/>

<!-- Mdi -->

<link type="text/css" rel="stylesheet" href="assets/mdi/css/materialdesignicons.min.css" media="screen,projection"/>

<link type="text/css" rel="stylesheet" href="assets/css/custom.css" media="screen,projection"/>

<!--Let browser know website is optimized for mobile-->

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

</head>

<body class="grey">

<div class="row">

<form action="p/login" method="post" id="indform" onsubmit="return false;">

<div class="col s12 m3 offset-m4 white loginform">

<div class="input-field col s12">

<div class="col s12 center-align"><img src="assets/img/sf.jpg" height="100px" class="circle"/>

</div>

<div class="row margin">

<div class="input-field col s12">

<i class="mdi mdi-email prefix"></i>

<input id="email" type="email" name="email"class="validate"/>

<label for="email">Email</label>

</div>

<div class="input-field col s12">

<i class="mdi mdi-lock prefix"></i>

<input id="password" type="password" name="pwd" class="validate"/>

<label for="password">Password</label>

</div>

<input type="hidden" name="role" value="admin" />

<div class="col s12">

<a class="col s12 waves-effect waves-light btn pink accent " onclick="loginSubmit('#indform')">Login</a>

</div>

<div class="row">

</div>

</div>

</form>

<!--Import jQuery before materialize.js-->

<script type="text/javascript" src="assets/js/jquery-3.2.1.min.js"></script>

<script type="text/javascript" src="assets/js/materialize.min.js"></script>

<script type="text/javascript" src="assets/js/eli\_scripts.js"></script>

<script>

$(document).ready(function(){

// the "href" attribute of the modal trigger must specify the modal ID that wants to be triggered

});

</script>

</body>

</html>

<?php

//$csrf\_got = @$\_POST['csrf'];

$validateEmail = false; // VALIDATE EMAIL (true/false)

$postedpage = $page[1];

switch ($postedpage){

case "login":

$validate = new VALIDATOR;

if(isset($\_POST['email']) && $validate->email($\_POST['email']) && $validate->required($\_POST['email'],'Email') && isset($\_POST['pwd']) && $validate->required($\_POST['pwd'],'Password') ) //&& check\_csrf($csrf\_got))

{

//$name = addslashes($\_POST['name']);

$email = addslashes($\_POST['email']);

$pass = md5($\_POST['pwd']);

if(isset($\_POST['role']) && $\_POST['role']=='admin')

{

$sql = "SELECT id,email,password,role FROM admin WHERE email='$email' AND password='$pass'";

}

else

//echo $sql;

$result = new DATABASE;

$data = $result->query($sql);

$id = @$data[0]['id'];

//--------//

// print\_r($data);

if(COUNT($data)>0)

{

$\_SESSION['user'] = $data[0];

// logit('login');

echo "Successfull Login";

}

else

{

echo "Invalid Login, Try Again!";

}

case "delrow":

if(isset($\_SESSION['user']['id']) && isset($page[2]) && isset($\_POST['id']) && is\_numeric($\_POST['id']))

{

$id = $\_POST['id'];

// DELETE

$db = new DATABASE;

$res = $db->delete\_row($page[2],"id='$id' ");

// echo $res['status'];

echo $res['message'];

}

else

{

echo "Please make sure everything is alright. I mean you should login !!! :D";

}

break;

case "updaterow":

//print\_r($page);

if(isset($\_SESSION['user']['id']) && isset($page[2]) && isset($\_POST['id']) && is\_numeric($\_POST['id']))

{

$id = $\_POST['id'];

$formdata = $\_POST;

// DELETE

$db = new DATABASE;

$res = $db->update\_row($page[2],$formdata," id='$id' ");

// echo $res['status'];

if($res['success'])

{

echo "<strong> success </strong>&nbsp;".$res['message'];

}

else

{

echo "Nothing new got updated";

}

}

else

{

echo "Please make sure everything is alright. I mean you should login !!! :D";

}

break;

case "addproduct":

// print\_r($\_REQUEST);

// print\_r($\_FILES);

$validate = new VALIDATOR;

// print\_r($ret);

}

}

}

echo $data['message'];

}

else

{

echo "Unable to add Product";

}

}

break;

case "order":

if(isset($\_POST['pid']) && is\_numeric($\_POST['pid']) && isset($\_SESSION['user']['id']))

{

$fd['pid'] = $\_POST['pid'];

$fd['cid'] = $\_SESSION['user']['id'];

$fd['status'] = 'ORDERED';

$db = new DATABASE;

$res = $db->insert\_row('order',$fd);

if($res['success'])

{

echo $\_POST['pname']." Ordered Successfully";

}

else

{

echo "Unable to order this product";

}

}

else

{

echo "Please Login before Buying";

}

break;

case "addtocart":

if(isset($\_POST['pid']) && is\_numeric($\_POST['pid']) && isset($\_SESSION['user']['id']))

{

$fd['pid'] = $\_POST['pid'];

$fd['cid'] = $\_SESSION['user']['id'];

$fd['status'] = 'ORDERED';

$sql = "SELECT \* FROM product WHERE id='$fd[pid]' ";

$db = new DATABASE;

$res = $db->query($sql);

if(count($res)>0)

{

$res[0]['pic'] = (file\_exists($\_POST['pic'])) ? $\_POST['pic'] : "assets/img/default.jpg";

$\_SESSION['cart'][] = $res[0];

echo "Added to Cart Successfully";

}

else

{

echo "No Product found";

}

}

break;

case "forgotpassword":

$v = new VALIDATOR;

if(isset($\_POST['email']) && $v->email($\_POST['email']))

{

$sitename = @$GLOBALS['site']['name'];

$email = addslashes($\_POST['email']);

$sql = "SELECT uname,id,password,email FROM `user` WHERE `email` LIKE '$email'";

$result = new DATABASE;

$data2 = $result->query($sql);

if($data2>0)

{

$data = $data2[0];

/////////////////////////////////////////////////////////////////////////////////////////////

**12. CONCLUSION**

The project entitled “Shillong Fashion” was completed successfully.

The system has been developed with much care and free of errors and at the same time it is efficient and less time consuming. The purpose of this project was to develop a web application and an android application for purchasing products.

**13. REFERENCES**

* ROGER.PRESSMAN Software Engineering 6thEdition
* [WWW.materialise](http://WWW.materialise)
* <http://www.w3schools.com/js/css>
* [WWW.ELI](http://WWW.ELI)