

**ASSIGNMENT NO 03**

**WEB ENGINEERING**

**GROUP MEMBERS:**

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**INTRODUCTION**

WebShop is a website for managing an online software store. It aims to provide a trusted, safe, and secure resource for soft wares, books, mobile applications, and game purchases - without the usual excessive pop-ups or spy-ware.

**TECHNOLOGIES USED**

* Php for backend
* MySQL for backend
* Bootstrap + JavaScript + css for the front end.
* Ajax
* Waamp server as a testing server

**PROJECT STRUCTURE**

The project has three main pages. The admin login page, admin interface and the user interface..

|  |  |
| --- | --- |
| Admin login page | the main page from where admin logs in to the admin panel |
| Admin panel | This is the homepage of Admin Interface where admin can see products, add-delete-update products. |
| User interface | The main page of our website which is visible to all users. |

**SERVER DIRECTORY STRUCTIRE**

**FUNCTIONALITIES ACHIEVED.**

|  |  |
| --- | --- |
| USER | ADMIN |
| Search By Name - When the user types a name in the search bar on the navigation bar, all products with that name are displayed  Filter by Category - When the user selects a particular category on the left panel, all the software products of the particular category are displayed.  Filter by Price Range - When the user checks a price range check box (i.e. min and max) on the left panel, all the software products in the particular price range are listed down.  Add to Cart - When the user clicks on the Add to Cart button of any product, it is added Into his cart.  Checkout- The user can click the checkout button to proceed to the checkout page where all selected items will be listed and a checkout button will finalize the transaction and update  The database. | **Login** – The Admin enters his user name and password to access the products page.  **Add Product** – The Admin can add a new product (one item at a time.)  **Update Product** - The Admin can edit product  **Delete Product** - The Admin can delete a product by entering its id  **Logout** – The Admin shall log out of his session by clicking the Logout button. |

**SETTING UP:**

The following steps were taken to set up the project.

* Downloading and installing waamp server. Version 2.5.
* Running waamp server on localhost.
* Creating the database in php myadmin. Name of database is “products”. Which has one table “product\_info”.
* Making the directory structure on the server.

**RUNNING:**

After running the server, the admin can now access the admin login page using the URL **localhost/websiteName/admin/login.html.** He enters username and password credentials.

* Username : admin
* Password : admin\_log

Upon successful login, he is taken to admin panel.

Any user can access the user interface page by going to the URL **localhost/websiteName/user/homepage.html**

**DATABASE SCHEMA:**

|  |  |  |
| --- | --- | --- |
| ATTRIBUTE/FIELD | TYPE | DESCRIPTION |
| SSID | int | Unique Id of each product |
| product\_name | varchar | It specifies the name of products in the table. |
| quantity | int | The quantity of any product available. |
| price | int | It is the price of each product(for one unit) |
| image | varchar | It contains a logo of the product. |
| category | varchar | It is the category of each product. E.g. clothing books etc. |

**DATABASE QUERIES:**

**FOR ADMIN PANEL:**

|  |  |
| --- | --- |
| ADDING PRODUCT : | $query=mysqli\_prepare ($db, “INSERT into product info (Prod\_Name, Category, Price, Quantity, Image) VALUES (?,?,?,?,?)");    $query->bind\_param('ssiis',$name,$category,$price,$quantity,$image); // BIND PARAMETRES  $result=$query->execute(); // QUERY EXECUTION |
| PRODUCT SEARCH | **$query=mysqli\_prepare($db, “SELECT \* FROM product\_info");**  **$result=$query->execute();**  // all data retrieved from running query is stored into variable strings and is presented in table form to the admin. |
| DELETING PRODUCT | **$query=mysqli\_prepare ($db,” DELETE FROM product\_info WHERE prod\_id IN (?)");**  **$query->bind\_param('i',$id);**  **$result=$query->execute();** |

**FOR USER INTERFACE:**

**PHP METHODS:**

The php method used for sending form data was POST.

**SESSION MAINTENENCE:**

The Administrator session is maintained to store information about the administrator that is used across multiple pages through the following variables.

* $\_SESSION['time'] // to check if session time has expired -> redirect to logout
* $\_SESSION[‘admin’] //if admin is logged in, proceed

The following are used for starting and ending admin session. Admin session also ends if there is no activity for 30 minutes. Or if the admin closes the browser.

* session\_start(); // to start session for a page
* session\_destroy(); // to end session for a page

**WORK BREAKDOWN:**

|  |  |
| --- | --- |
| Maham shahid | Database and backend ( admin login and panel functionality) |
| Shaheer Muzammil | **Database and backend ( user functionality)** |
| Maleeha afzal | **Front end and documentation** |