Workshop

This workshop is to develop a web site for an Electronics Shop. The shop sells 3 categories of products: TVs, Laptops, and sound systems. The shop owner wanted this web site in order to display the electronics products and their prices.

Moreover, the shop owner asked to have a registration system for the customers, where customers will be able to register, sign in.

Registered customers will be able to place orders by filling a form for a single item he selects, and that item will be delivered to him and paid in by Cash on delivery (payment is not handled through the web site).

Requirements
- Design the DB structure that will fulfill the above mentioned requirements and will save all the required data from administrators, and registered customers
- Choose an appropriate way to validate and save all the necessary users credentials in order to provide proper users authentication in the web site

Develop Back-end pages for the administrators:

- A products page, in order for the administrators to only insert the following:
  - Products Name, Description & Price
  - Categories of products
- it is recommended to have a filter which could be used to filter the products listed by any of the 3 product types the shop sells
- In order to encourage customers to register, registered customers will have discounts on some products if set by the Shop's web site administrators.
  These optional discounts offers could be set on price for each product (percentages) by the administrators.
- The administrator can configure a specific discount percentage if the customer will buy two pieces of the same product
- If a discount is set by the administrators for a certain product, then this product's price will be accordingly adjusted and the final price will be displayed to the registered customers, and this adjusted price will be the final price (after discount) saved in DB

Develop Front-end pages for web site visitors, and registered users:

- Registration page should gather and properly validate on the following fields:
  - Name, full address, email, phone number, birth date
  - These fields are mandatory, and must be entered before being able to register
  - The application should also validate on the format of user's entered data according to each field specific type
- Products listing page displaying a list of all the products (Name, Description, and Price). The list displays a maximum of 5 products at a time using paging

- Beside each product, there shall be a quantity so that the customer can choose any number of products for each

Please Note:

Only Registered users will have an order form to place orders:

- o Only Registered users will see a button named "Order" under each product displayed that will redirect him to the (order page), which will already display the selected item, its price, and a field for quantity required
- o In the (order page), registered customers will have a button named "Buy" which will place the order by saving it to DB
- o The administrators will have back-end list in order to display all the customers' orders from the DB
- o The rest of the order operations will be outside the web site scope. (*as someone from the store will phone call the customer for validation purposes and accordingly fulfill the order or not*)

Non-Functional Requirements:

- All Web form should support Bi-Language (Arabic – English)
- All listing Categories , Products and buyer in a Manage web form should be a client side control
- Disable any post back in filtering in both Products and buyer listing page

Good Luck