CTIS 256

Midterm #2
110 Mins

Question: Write a Web application that implements a small part of an e-commerce application. It displays products with paging and provide a shopping cart. Import given products.sql into your "**test**" database, and use "**products**" table. In the given zip, you can find product images, icons and two template files. For PDO database, username: **std** and password is **empty string**, '', no space between single quotes.

a) **List Products(30):** As you see in Fig1, you will display maximum three products in a page. To do that you can use "*select * from products limit 0,3*" . In this example, it retrieves the first three records, if you use "limit 3,3", it retrieves the next 3 records. The first number shows the index number of the first record, the second number is the number of records to retrieve.
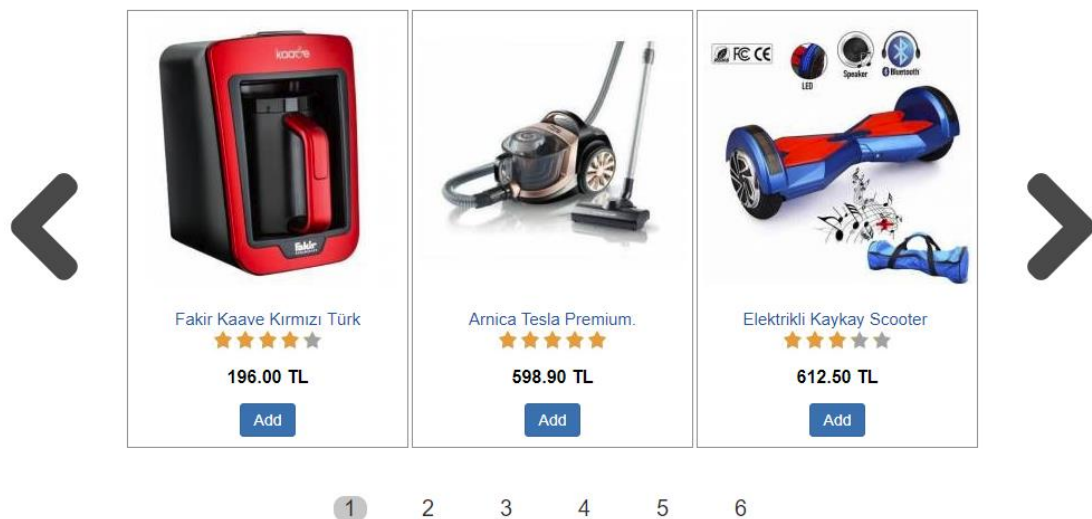

Fig 1: Show products.

b) **Paging(25):** Provide paging mechanism. Show all available pages under the products. Additionally, there are two icons to show next and previous pages. For the first page, previous icon does not work, and for the last page, next icon cannot be clicked. See Fig1.

c) **Add to Cart(15):** If you click "Add" link, the product will be added to the shopping cart, and the number of items in the session is displayed at the top of the page. **Hint**: You can store items in $_SESSION['cart'], it stores an array of items. You can duplicate the same product in the array. Use "*select * from products where id = ?* " to get the details of the clicked product.

Fig 2: Number of items in the cart.

d) **List Cart(20):** List the items added in the cart in an html table. Click "Catalog" button to go back to the *correct* product page. It also calculates the total price.

Fig 3: Content of Cart.

e) **Delete from Cart(20):** When you click on "Delete" button, it deletes the item from the cart, and go back to cart view. Do not lose page info for product page. **Hint**: To delete an item from the cart, you can use "*unset($_SESSION['cart'][0])*", it deletes the first item from $_SESSION['cart'] array.

GOOD LUCK