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IT3A

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Assignment - Assignment.Form1 - updateStock()

using System;
using System.Data;
using System.Windows.Forms;
using MySql.Data.MySqlClient;

namespace Assignment
{
    3 references
    public partial class Form1 : Form
    {
        MySqlConnection conn = new MySqlConnection("datasource=localhost; port=3386; username=root; password=");
        MySqlCommand cmd;
        MySqlDataAdapter adapt;
        string product;
        string stock;
        string quantity;
        int oid = 0;
        int total;

        1 reference
        public Form1()
        {
            InitializeComponent();
            DisplayStocks();
            DisplayOrders();
            OID();
        }

        2 references
        private void DisplayStocks()
        {
            conn.Open();
            DataTable dt = new DataTable();
            adapt = new MySqlDataAdapter("select product.PID, PDescription, SID, stocks, price from assignmentquiz.product inner join assignmentquiz.stock on product.PID=stock.PID", conn);
            adapt.Fill(dt);
            stocksView.DataSource = dt;
            conn.Close();
        }

        1 reference
        private void OID()
        {
            conn.Open();
            cmd = new MySqlCommand("select count(*) from assignmentquiz.ordering", conn);
            oid = Convert.ToInt32(cmd.ExecuteScalar());
            conn.Close();
        }
    }
}
```

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form1.cs - Form1.cs [Design] - Assignment.Form1 - updateStock()

adapt = new MySqlDataAdapter("select product.PID, PDescription, SID, stocks, price from assignmentquiz.product inner join assignmentquiz.stock on product.PID=stock.PID", conn);
adapt.Fill(dt);
stocksView.DataSource = dt;
conn.Close();

1 reference
private void OID()
{
    conn.Open();
    cmd = new MySqlCommand("select count(*) from assignmentquiz.ordering", conn);
    oid = Convert.ToInt32(cmd.ExecuteScalar());
    conn.Close();
}

3 references
private void DisplayOrders()
{
    DataTable dt = new DataTable();
    adapt = new MySqlDataAdapter("select * from assignmentquiz.ordering", conn);
    adapt.Fill(dt);
    orderingView.DataSource = dt;
    conn.Close();
}

1 reference
private void dataGridView1_CellContentClick(object sender, DataGridViewCellEventArgs e)
{
    product = stocksView.Rows[e.RowIndex].Cells[0].Value.ToString();
    stock = stocksView.Rows[e.RowIndex].Cells[2].Value.ToString();
}

1 reference
private void comboBox1_SelectedIndexChanged(object sender, EventArgs e)
{
    (parameter) object sender
}

1 reference
private void button1_Click(object sender, EventArgs e)
{
    int rowIndex = stocksView.CurrentCell.RowIndex;
    int selectedIndex = comboBox1.SelectedIndex;
    if (selectedIndex <= 0)
    {
    }
}
```

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Form1.cs [Design]
Assignment
Assignment.Form1
updateStock()

1 reference
private void button1_Click(object sender, EventArgs e)
{
    int rowindex = stocksView.CurrentRow.Index;
    int selectedIndex = comboBox1.SelectedIndex;
    if (selectedIndex <= 0)
    {
        MessageBox.Show("Input quantity");
    }
    else
    {
        comboBox1.SelectedItem.ToString();
        int selectedValue = (int)comboBox1.Items[selectedIndex];
        string subtotal = stocksView.Rows[rowindex].Cells[4].Value.ToString();
        int sub = int.Parse(subtotal) * selectedValue;

        conn.Open();

        using (MySQLCommand cmd = new MySQLCommand("INSERT INTO assignmentquiz.ordering ('OID', 'PID', 'quantity', 'subtotal', 'SID') VALUES (@oid, @pid, @quantity, @subtotal, @sid);", conn))
        {
            cmd.Parameters.AddWithValue("@oid", oid);
            cmd.Parameters.AddWithValue("@pid", stocksView.Rows[rowindex].Cells[0].Value.ToString());
            cmd.Parameters.AddWithValue("@quantity", selectedValue);
            cmd.Parameters.AddWithValue("@subtotal", sub);
            cmd.Parameters.AddWithValue("@sid", stocksView.Rows[rowindex].Cells[2].Value.ToString());
            oid++;
            cmd.ExecuteNonQuery();
        }

        DisplayOrders();
        addOrders();
        conn.Close();
    }
}

2 references
private void addOrders()
{
    conn.Open();
    cmd = new MySQLCommand("select SUM(subtotal) from assignmentquiz.ordering", conn);
    total = Convert.ToInt32(cmd.ExecuteScalar());
    Amount.Text = total.ToString();
    conn.Close();
}
```

```
Form1.cs [Design]
Assignment
Assignment.Form1
updateStock()

2 references
private void addOrders()
{
    conn.Open();
    cmd = new MySQLCommand("select SUM(subtotal) from assignmentquiz.ordering", conn);
    total = Convert.ToInt32(cmd.ExecuteScalar());
    Amount.Text = total.ToString();
    conn.Close();
}

1 reference
private void deleteOrders()
{
    conn.Open();
    cmd = new MySQLCommand("delete from assignmentquiz.ordering", conn);
    MySqlDataReader dr = cmd.ExecuteReader();
    conn.Close();
    DisplayOrders();
    total = 0;
}

1 reference
private void label1_Click(object sender, EventArgs e)
{
}

1 reference
private void updateStock()
{
    for (int i = 0; i < oid; i++)
    {
        int stocks = 0;
        string Sid = orderingView.Rows[i].Cells[4].Value?.ToString();

        conn.Open();

        string query = "select stocks from assignmentquiz.stock where SID = '" + Sid + "'";
        cmd = new MySQLCommand(query, conn);
        var result = cmd.ExecuteScalar();

        if (result != DBNull.Value) stocks = Convert.ToInt32(result);

        String numItems = orderingView.Rows[i].Cells[2].Value?.ToString();
        int quantity = int.Parse(numItems);
    }
}
```

```

Assignment
Assignment.Form1
updateStock()

conn.Open();

string query = "select stocks from assignmentquiz.stock where SID = '" + Sid + "'";
cmd = new MySqlCommand(query, conn);
var result = cmd.ExecuteScalar();

if (result != DBNull.Value) stocks = Convert.ToInt32(result);

String numItems = orderingView.Rows[i].Cells[2].Value?.ToString();
int quantity = int.Parse(numItems);
int updatedStock = stocks - quantity;

string queryUp = "update assignmentquiz.stock set stocks = " + updatedStock + " where SID = '" + Sid + "'";
cmd = new MySqlCommand(queryUp, conn);
MySqlDataReader dr = cmd.ExecuteReader();

conn.Close();
DisplayStocks();

}
oid = 0;
}

1 reference
private void Form1_Load(object sender, EventArgs e)
{
    for (int i = 1; i < 101; i++)
    {
        comboBox1.Items.Add(i);
    }
}

1 reference
private void button2_Click(object sender, EventArgs e)
{
    addOrders();
    updateStock();
    deleteOrders();
    Amount.Text = "Total: " + total.ToString();
}

```

Form1

	PID	PDescription	SID	stocks	price
▶	P101	Laptop	S101	25	12000
	P102	Cellphone	S102	8	7000
	P103	Bag	S103	10	4000
	P104	Television	S104	19	2000
	P101	Laptop	S105	18	20000
	P102	Cellphone	S106	10	15000
* < >					

ADD

Quantity 2

	OID	PID	quantity	subtotal	SID
▶	0	P103	3	12000	S103
	1	P101	2	24000	S101
	2	P101	2	40000	S105
	3	P101	2	24000	S101
* < >					

PAY

Total: 100000