



```
//FOR LOGIN.cs
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;
using MySql.Data.MySqlClient;
namespace Crud
{
    public partial class Form1 : Form
    {
        MySqlConnection conn = new
        MySqlConnection("server=localhost;database=motorcycle_shop_db;uid=root;pwd=Carlo0537
        1946;");
        public Form1()
        {
            InitializeComponent();
        }

        private void btnLogin_Click(object sender, EventArgs e)
        {
            string username = txtUsername.Text.Trim();
            string password = txtPassword.Text.Trim();

            if (username == "" || password == "")
            {
                lblMessages.Text = "Please enter both username and password.";
                lblMessages.ForeColor = System.Drawing.Color.Red;
                return;
            }

            try
            {
                conn.Open();
            }
        }
    }
}
```

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        string query = "SELECT * FROM users WHERE Username=@user AND
Password=@pass";
        MySqlCommand cmd = new MySqlCommand(query, conn);
        cmd.Parameters.AddWithValue("@user", username);
        cmd.Parameters.AddWithValue("@pass", password);
        MySqlDataReader reader = cmd.ExecuteReader();

        if (reader.Read())
        {
            string fullname = reader["FullName"].ToString();
            MessageBox.Show("Welcome, " + fullname + "!", "Login
Successful", MessageBoxButtons.OK, MessageBoxIcon.Information);

            conn.Close();
            this.Hide();

            Form2 mainForm = new Form2();
            mainForm.Show();
        }
        else
        {
            lblMessages.Text = "Invalid username or password.";
            lblMessages.ForeColor = System.Drawing.Color.Red;
        }

        reader.Close();
        conn.Close();
    }
    catch (Exception ex)
    {
        MessageBox.Show("Error connecting to database:\n" + ex.Message);
        conn.Close();
    }
}
}
}

```

Form2

MOTORCYCLE SHOP

EXIT

SEARCH

ID: 18

Model: Honda Click

Color: Red

Price: 80000.00

Quantity: 43

Wednesday, October 29, 2025

motor_id	model	color	price	quantity	date_added
17	Rider150	Blue	120000.00	324	10/29/2025
18	Honda Click	Red	80000.00	43	10/29/2025
19	Honda Click	Blue	80000.00	78	10/31/2025

ADD UPDATE DELETE

9:38 AM 10/31/2025

```
//FOR DASHBOARD.cs
using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;
using MySql.Data.MySqlClient;

namespace Crud
{
    public partial class Form2 : Form
    {
        MySqlConnection conn = new
        MySqlConnection("server=localhost;database=motorcycle_shop_db;uid=root;pwd=Carlo0537
1946;");
        public Form2()
        {
            InitializeComponent();
            LoadData();
        }
        void LoadData()
        {
            try
            {
                conn.Open();
            }
        }
    }
}
```

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        MySqlConnection da = new MySqlConnection("SELECT * FROM
motorcycles", conn);
        DataTable dt = new DataTable();
        da.Fill(dt);
        dataGridView1.DataSource = dt;
        conn.Close();
    }
    catch (Exception ex)
    {
        MessageBox.Show(ex.Message);
    }
}

private void btnAdd_Click(object sender, EventArgs e)
{
    try
    {
        conn.Open();
        string sql = "INSERT INTO motorcycles (model, color, price,
quantity, date_added) VALUES (@model, @color, @price, @quantity, @date_added)";
        MySqlCommand cmd = new MySqlCommand(sql, conn);
        cmd.Parameters.AddWithValue("@model", txtModel.Text);
        cmd.Parameters.AddWithValue("@color", txtColor.Text);
        cmd.Parameters.AddWithValue("@price", txtPrice.Text);
        cmd.Parameters.AddWithValue("@quantity", txtQuantity.Text);
        cmd.Parameters.AddWithValue("@date_added", dateTimePicker1.Value);
        cmd.ExecuteNonQuery();
        MessageBox.Show("Record added successfully!");
        conn.Close();
        LoadData();
    }
    catch (Exception ex)
    {
        MessageBox.Show(ex.Message);
    }
}

private void btnUpdate_Click(object sender, EventArgs e)
{
    try
    {
        conn.Open();
        string sql = "UPDATE motorcycles SET model=@model, color=@color,
price=@price, quantity=@quantity, date_added=@date_added WHERE motor_id=@id";
        MySqlCommand cmd = new MySqlCommand(sql, conn);
        cmd.Parameters.AddWithValue("@model", txtModel.Text);
        cmd.Parameters.AddWithValue("@color", txtColor.Text);
        cmd.Parameters.AddWithValue("@price", txtPrice.Text);
        cmd.Parameters.AddWithValue("@quantity", txtQuantity.Text);
        cmd.Parameters.AddWithValue("@date_added", dateTimePicker1.Value);
        cmd.Parameters.AddWithValue("@id", txtID.Text);
        cmd.ExecuteNonQuery();
        MessageBox.Show("Record updated successfully!");
        conn.Close();
        LoadData();
    }
    catch (Exception ex)
    {

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        MessageBox.Show(ex.Message);
    }
}

private void btnDelete_Click(object sender, EventArgs e)
{
    try
    {
        conn.Open();
        string sql = "DELETE FROM motorcycles WHERE motor_id=@id";
        MySqlCommand cmd = new MySqlCommand(sql, conn);
        cmd.Parameters.AddWithValue("@id", txtID.Text);
        cmd.ExecuteNonQuery();
        MessageBox.Show("Record deleted successfully!");
        conn.Close();
        LoadData();
    }
    catch (Exception ex)
    {
        MessageBox.Show(ex.Message);
    }
}

private void dataGridView1_CellContentClick(object sender,
DataGridViewCellEventArgs e)
{
    if (e.RowIndex >= 0)
    {
        DataGridViewRow row = dataGridView1.Rows[e.RowIndex];
        txtID.Text = row.Cells["motor_id"].Value.ToString();
        txtModel.Text = row.Cells["model"].Value.ToString();
        txtColor.Text = row.Cells["color"].Value.ToString();
        txtPrice.Text = row.Cells["price"].Value.ToString();
        txtQuantity.Text = row.Cells["quantity"].Value.ToString();
        dateTimePicker1.Value =
Convert.ToDateTime(row.Cells["date_added"].Value);
    }
}

private void btnSearch_Click(object sender, EventArgs e)
{
    try
    {
        conn.Open();
        string keyword = txtSearch.Text.Trim();
        string sql = "SELECT * FROM motorcycles WHERE model LIKE @keyword OR
color LIKE @keyword";
        MySqlCommand cmd = new MySqlCommand(sql, conn);
        cmd.Parameters.AddWithValue("@keyword", "%" + keyword + "%");
        MySqlDataAdapter da = new MySqlDataAdapter(cmd);
        DataTable dt = new DataTable();
        da.Fill(dt);
        dataGridView1.DataSource = dt;
        conn.Close();
    }
    catch (Exception ex)
    {
        MessageBox.Show(ex.Message);
    }
}

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        }  
    }  
  
    private void btnExit_Click(object sender, EventArgs e)  
    {  
        DialogResult result = MessageBox.Show("Are you sure you want to exit the  
application?",  
                                                "Confirm Exit",  
                                                MessageBoxButtons.YesNo,  
                                                MessageBoxIcon.Question);  
  
        if (result == DialogResult.Yes)  
        {  
            Application.Exit();  
        }  
    }  
}
```