Lab 6 Registration – Web Form and Table Design

1. Create a new table as shown in Figure 1 and named it as **userTable**. For **Id**, set the **Identity Specification** to **True** in **Properties** window.

	Name	Data Type	Allow Nulls	Default
🔑	Id	int	☐	
	fname	nvarchar(50)	☑	
	lname	nvarchar(50)	☑	
	gender	nchar(10)	☑	
	country	nvarchar(50)	☑	
	email	nvarchar(50)	☑	
	username	nvarchar(50)	☑	
	password	nvarchar(50)	☑	
	usertype	nchar(10)	☑	

Figure 1: Table Design

2. Create a Web Form as shown in Figure 2 and named it as **memberRegistration.aspx**.

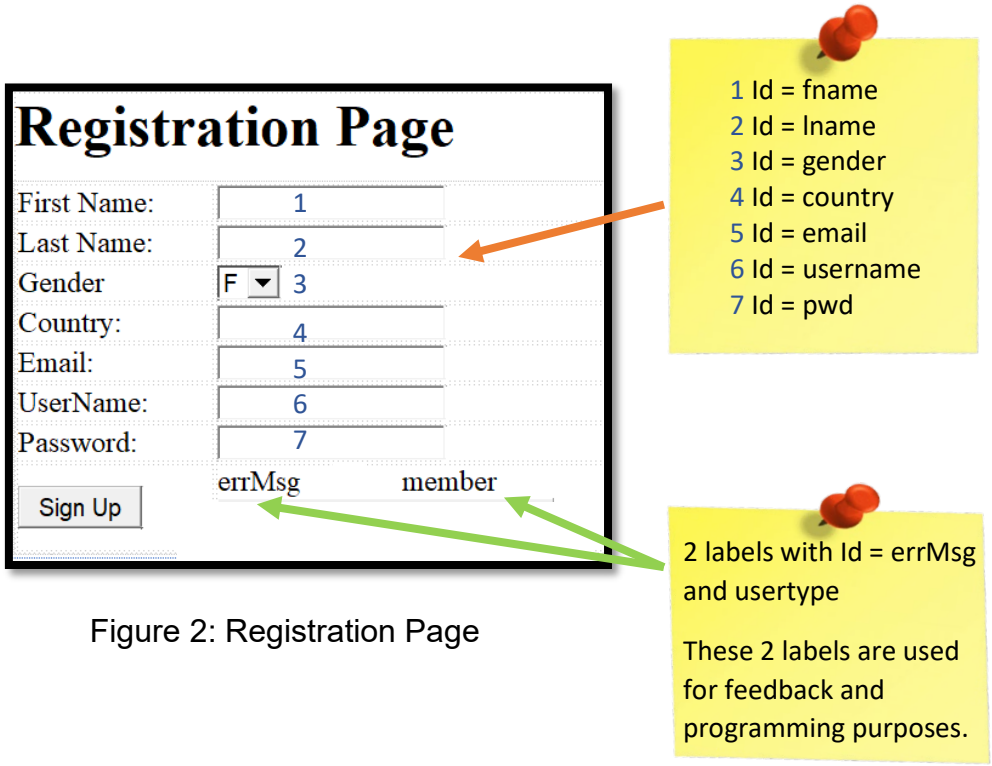

Figure 2: Registration Page

3. Type in the following code in the *class* **Button1_Click** as shown in Figure 4:-

```
try
{
  SqlConnection con = new SqlConnection(ConfigurationManager.ConnectionStrings["ConnectionString"].ConnectionString);
  con.Open();

  string query = "select count(*) from userTable where username = '" + username.Text + "'";
  SqlCommand cmd = new SqlCommand(query, con);
  int check = Convert.ToInt32(cmd.ExecuteScalar().ToString());

  if (check > 0)
  {
      errMsg.Visible = true;
      errMsg.ForeColor = System.Drawing.Color.Red;
      errMsg.Text = "Username has been taken!";
  }
  else
  {
     //create record in a table called userTable
     string query1 = "insert into userTable (fname, lname, gender, country, email, username,
                      password, usertype) values (@firstName, @lastName, @gender, @country,
                      @email, @username, @password, @usertype) ";
     SqlCommand cmd1 = new SqlCommand(query1, con);

     cmd1.Parameters.AddWithValue("@firstName", fname.Text);
     cmd1.Parameters.AddWithValue("@lastName", lname.Text);
     cmd1.Parameters.AddWithValue("@gender", gender.SelectedItem.ToString());
     cmd1.Parameters.AddWithValue("@country", country.Text);
     cmd1.Parameters.AddWithValue("@email", email.Text);
     cmd1.Parameters.AddWithValue("@username", username.Text);
     cmd1.Parameters.AddWithValue("@password", pwd.Text);
     cmd1.Parameters.AddWithValue("@usertype", usertype.Text);
     cmd1.ExecuteNonQuery();
     Response.Redirect("login.aspx");
   }
     con.Close();
}
 catch (Exception ex)
 {
   errMsg.Visible = true;
   errMsg.ForeColor = System.Drawing.Color.Red;
   errMsg.Text = "Registration not sucessful!" + ex.ToString();
 }
```

Figure 4: Insert Query

4. **Save** > **Build Solution** > **Run IIS** to test it.

5. Create a Web Form as shown in Figure 1 and named it as **adminRegistration.aspx**.

6. Change the **Text** value to *admin* for Label Id = **usertype.** Repeat step 3 to 5.

ExecuteNonQuery used for executing queries that does not return any data. It is used to execute the sql statements like update, insert, delete etc. ExecuteNonQuery executes the command and returns the number of rows affected.