```
using System;
using System.Data;
using System.Configuration;
using System.Linq;
using System.Web;
using System.Web.Security;
using System.Web.UI;
using System.Web.UI.HtmlControls;
using System.Web.UI.WebControls;
using System.Web.UI.WebControls.WebParts;
using System.Xml.Linq;
using System.Text.RegularExpressions;

namespace MessageLogger
{
    /// <summary>
    /// This class handles all communication with the SQL server. For security
    /// we will only allow stored procedures to be executed via the web application.
    ///
    /// If you want to extend the functionality of the web application, create new
    /// stored procedures and create a new associated function in this class.
    /// </summary>
    public class spExecution
    {
        private System.Data.SqlClient.SqlConnection sqlConn;
        // Regular expression to verify string is alphanumeric and no longer than 50 chars.
        Regex reg = new Regex(@"^[a-zA-Z0-9'.\s]{1,50}$");

        /// <summary>
        /// Default constructor. This does nothing.
        /// </summary>
        public spExecution()
        {
        }

        /// <summary>
        /// Connects to the default localhost database.
        /// </summary>
        public void SQLConnect()
        {
            sqlConn = new System.Data.SqlClient.SqlConnection();
            sqlConn.ConnectionString = "server=.; database=MLogger; uid=mlogger; pwd=trustera↙
    ;";
            sqlConn.Open();
        }

        /// <summary>
        /// Overloaded SQL connection function that allows one to specify a specific server,
        /// database, user, and password.
        /// </summary>
        /// <param name="server">The server IP address or NetBIOS name.</param>
        /// <param name="database">The database we want to use</param>
        /// <param name="user">The database user</param>
        /// <param name="password">The database user's password</param>
        public void SQLConnect(String server, String database, String user, String password)
        {
            sqlConn = new System.Data.SqlClient.SqlConnection();
            sqlConn.ConnectionString = "server=" + server + "; database=" + database + "; uid↙
    =" + user + "; pwd=" + password + ";";
            sqlConn.Open();
        }

        public void SQLDisconnect()
        {
            sqlConn.Close();
        }

        /// <summary>
        /// Validates a user against the Users table.
```