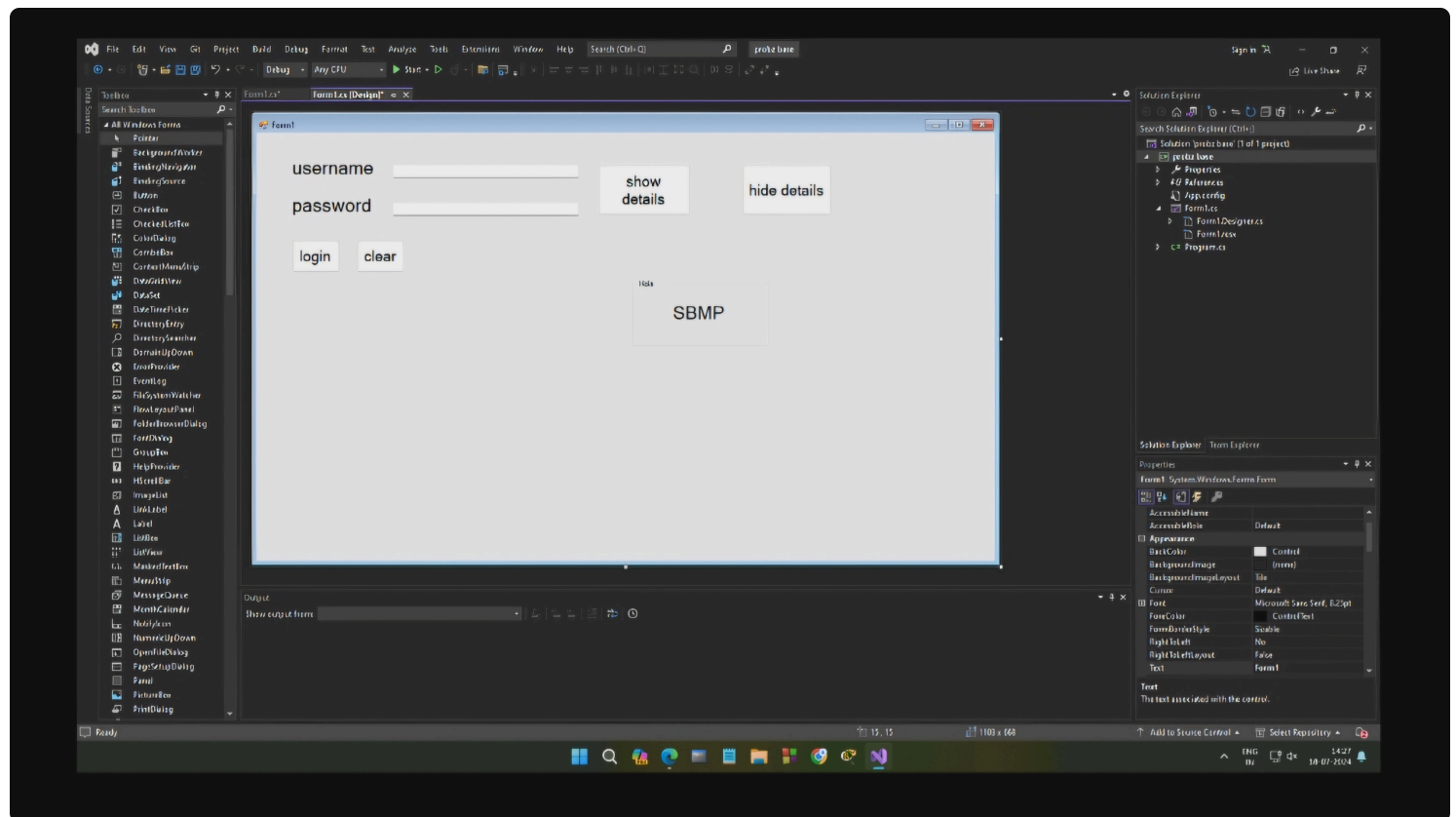


aim: to design and validate data from login form

Theory

The design and validation of a login form involves implementing key concepts of event-driven programming and UI design. This process ensures secure user authentication by integrating robust validation mechanisms that check the correctness and completeness of user inputs. Effective data validation is crucial to prevent unauthorized access and maintain the integrity of the system. Utilizing event handling, the login form interacts seamlessly with the user, providing feedback and managing errors efficiently to enhance the overall user experience and security of the application.

(print the below part as output)



procedure (codes, write this stuffs down)

Procedure

1. Validation Code:

This code checks if the username and password fields are filled, meet length requirements,

and contain no uppercase letters. It displays error messages for invalid inputs.

```
1 reference
private void button5_Click(object sender, EventArgs e)
{
    // validation code
    String un, up;
    un = textBox1.Text;
    up = textBox2.Text;
    if (string.IsNullOrEmpty(un))
    {
        MessageBox.Show("Mpty usernameeeee");
        return;
    }
    if (string.IsNullOrEmpty(up))
    {
        MessageBox.Show("Mpty passssword");
        return;
    }
    if (up.Length < 7 || un.Length > 20)
    {
        MessageBox.Show("input min 7 and max 20");
        return;
    }
    if (!up.Any(char.IsUpper))
    {
        MessageBox.Show("use upprcase");
        return;
    }
    if (!up.Any(char.IsLower))
    {
        MessageBox.Show("use lowercase");
        return;
    }
}
```

```
1 reference
private void button1_Click(object sender, EventArgs e)
{
    if (textBox1.Text == "e" && textBox2.Text == "ee")
    {
        MessageBox.Show("AYYYY");
    }
    else
    {
        MessageBox.Show("NAYYYY");
    }
}
```

login button code
(validates as in login)

```
}
```

//add this extra bracket on above code

2. Textbox Clear and Show Details Code:

The clear code resets the username and password fields when the "Clear" button is clicked. The show details code makes a group box visible when the "Show Details" button is clicked, displaying additional user details.

textbox clear code

```
1 reference
private void button2_Click(object sender, EventArgs e)
{
    textBox1.Clear();
    textBox2.Clear();
}
```

show details code

```
1 reference
private void button3_Click(object sender, EventArgs e)
{
    groupBox1.Visible = true;
}
```

conclusion: hence we successfully designed a login form and validated it's data