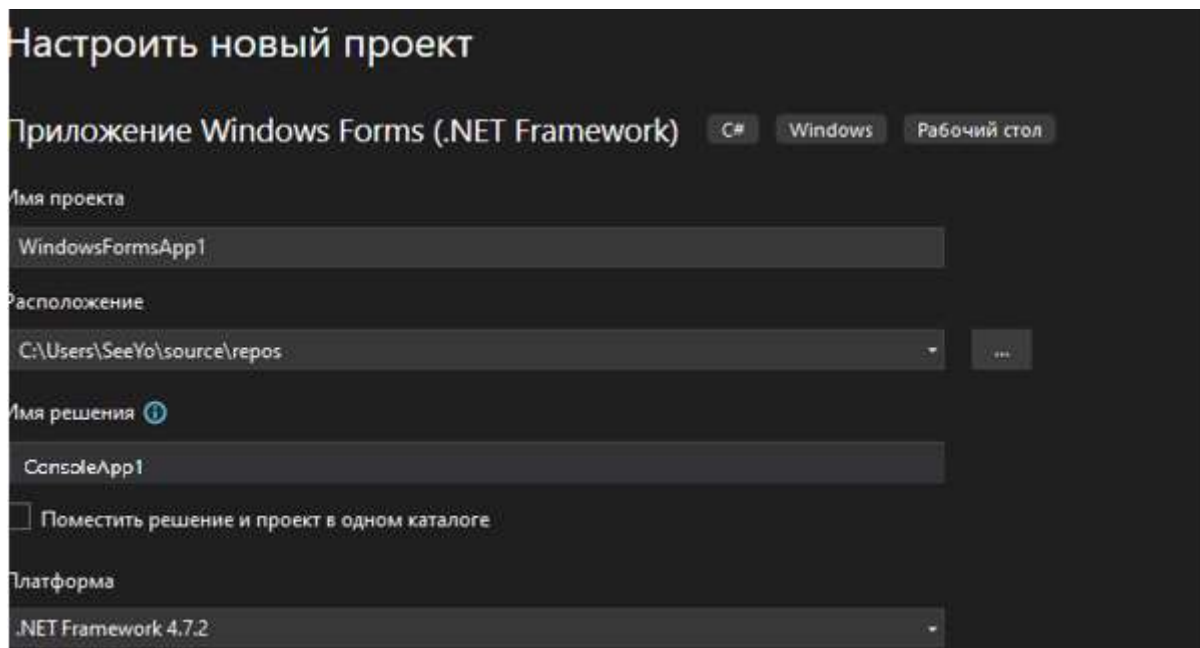
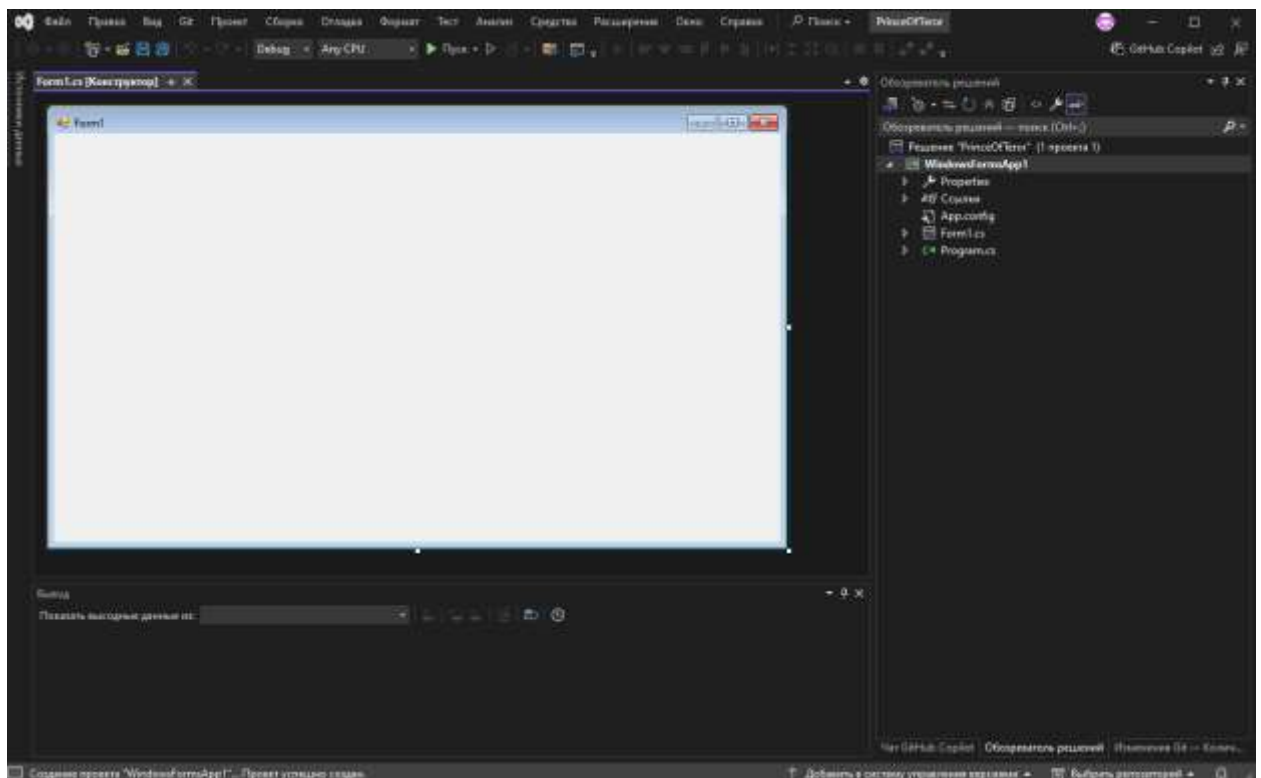


Создание проекта

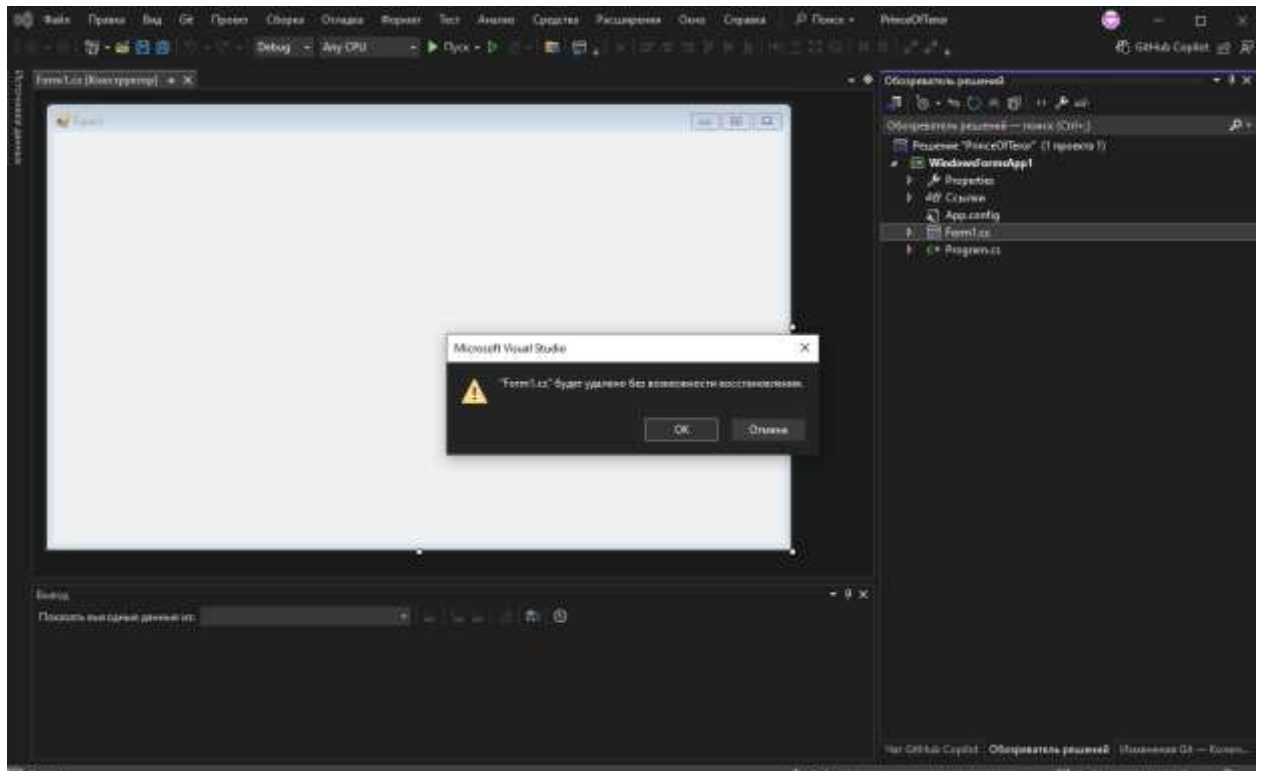
1



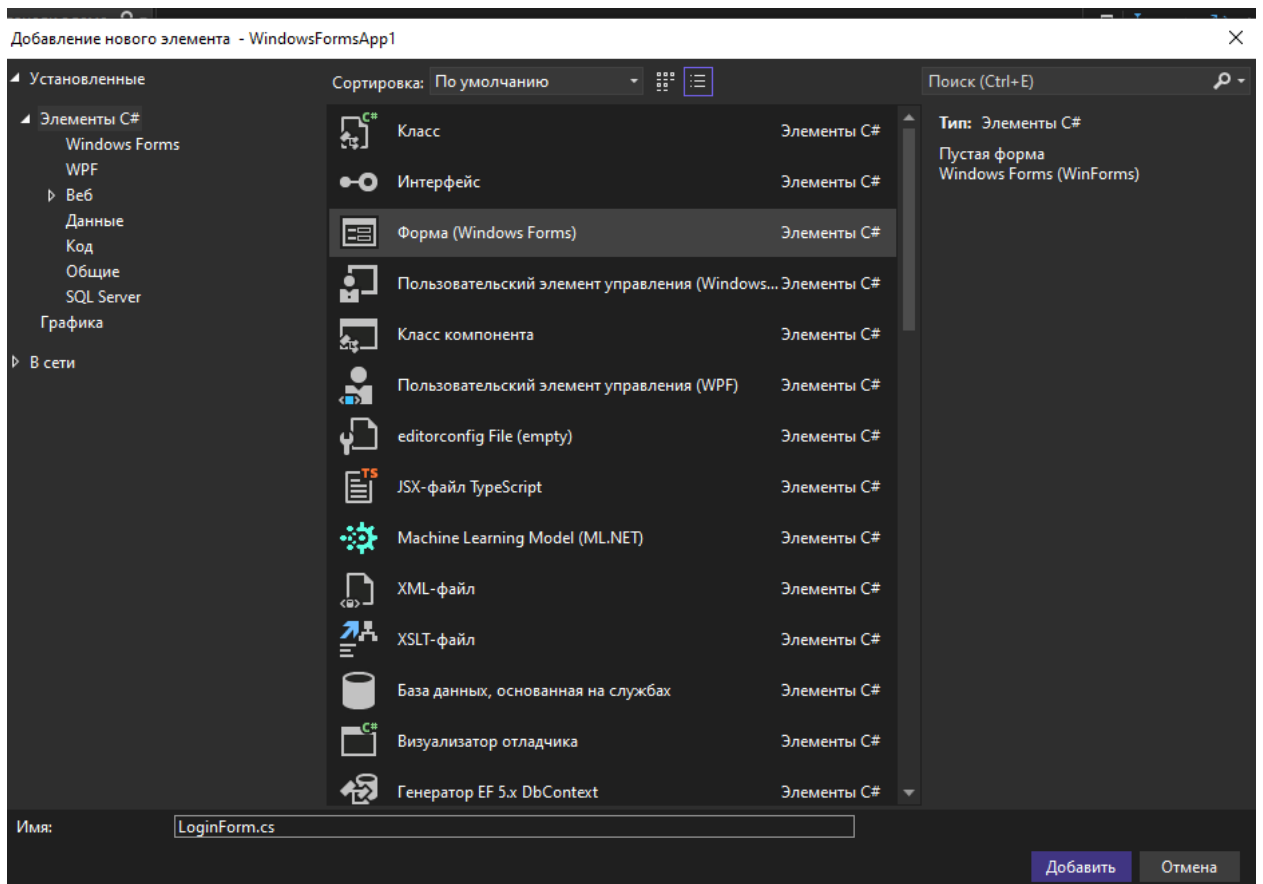
2

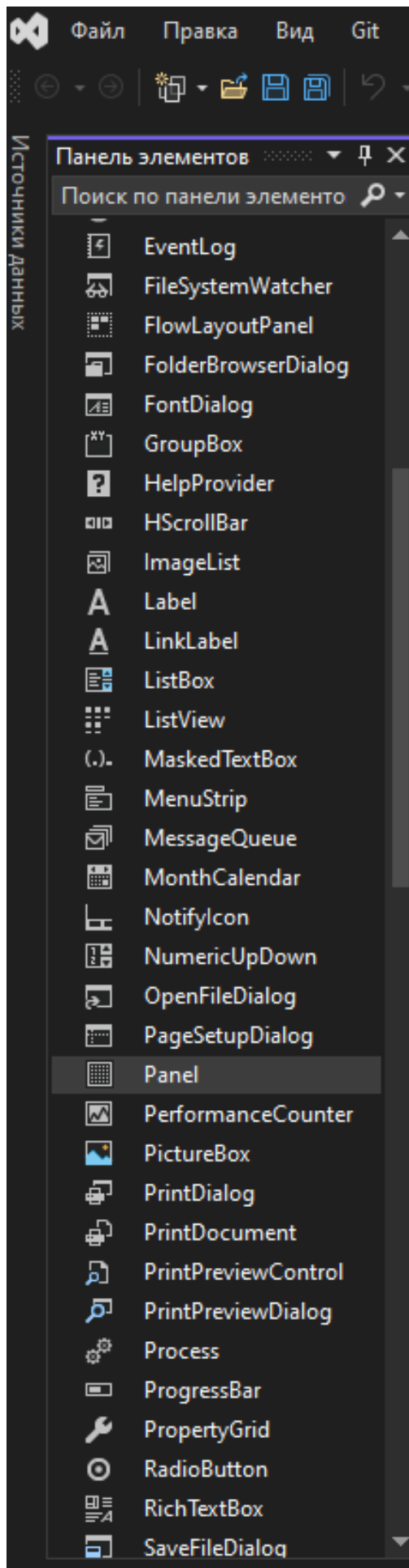


3 Удаление формы

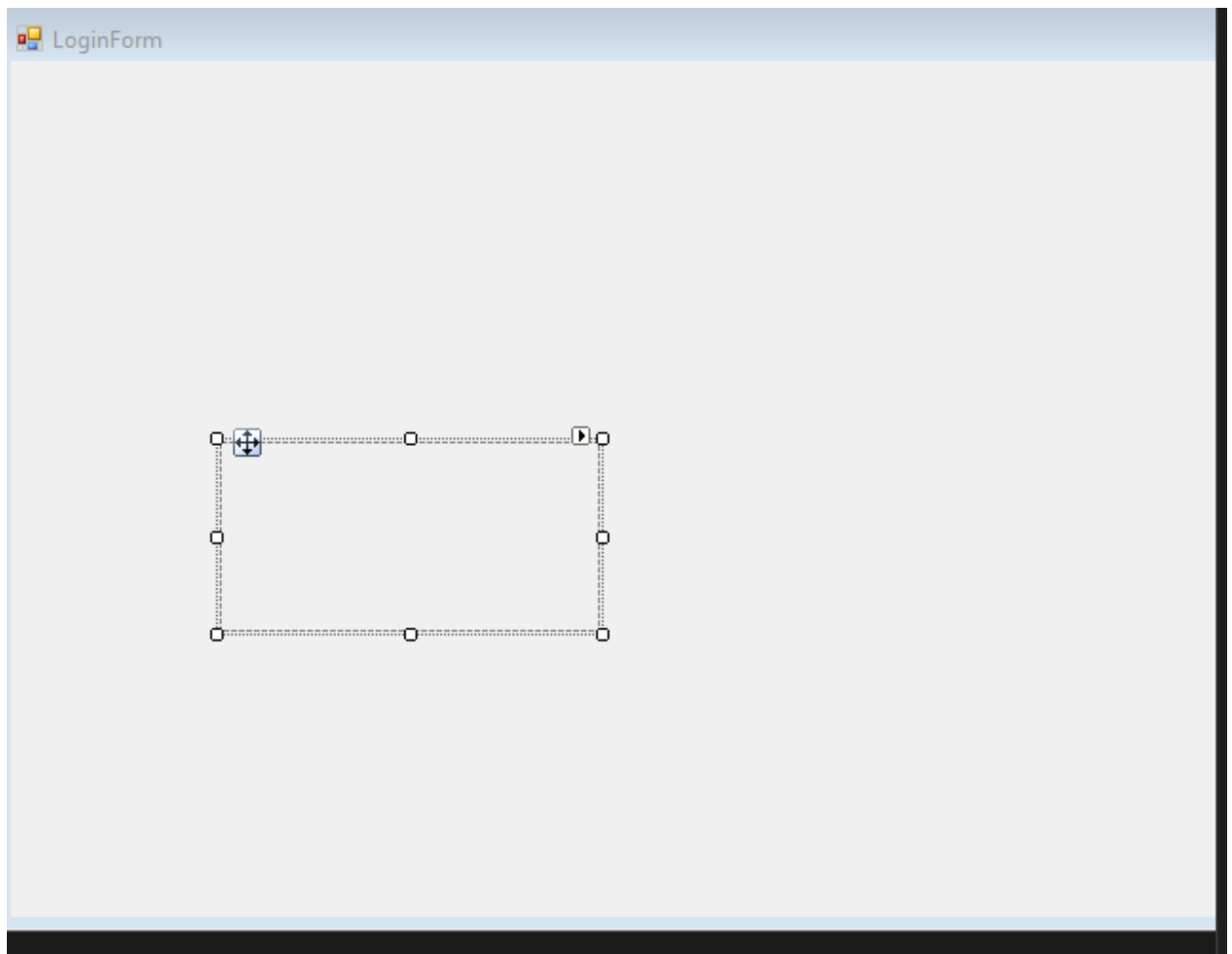


4 Создание формы

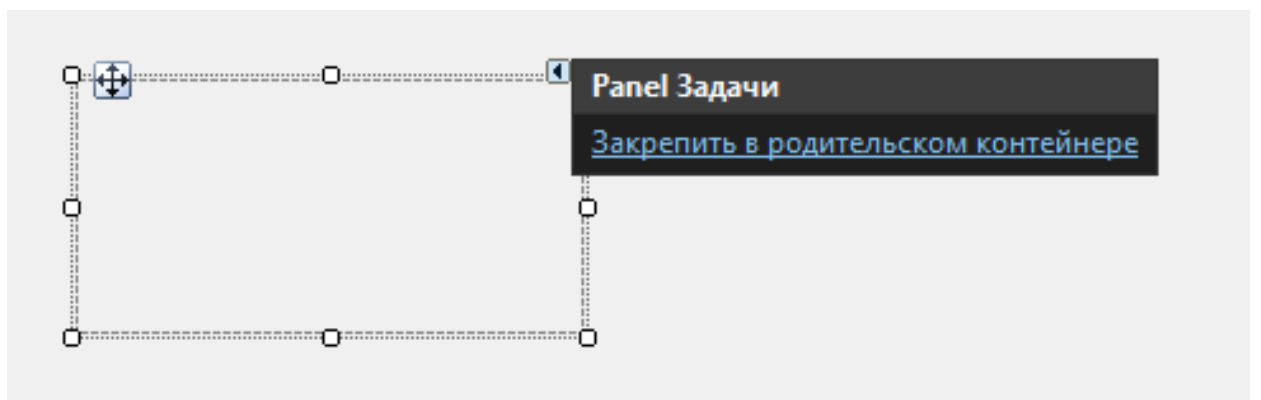




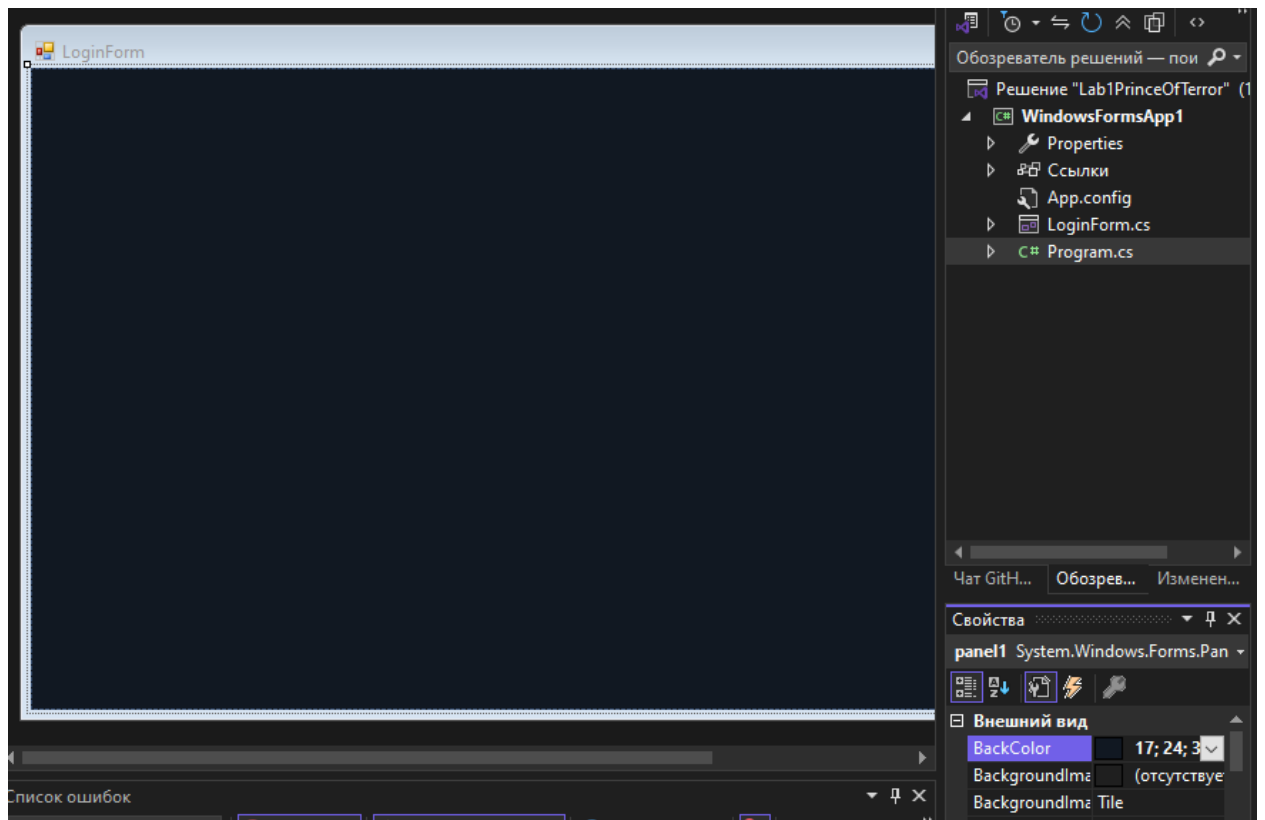
6



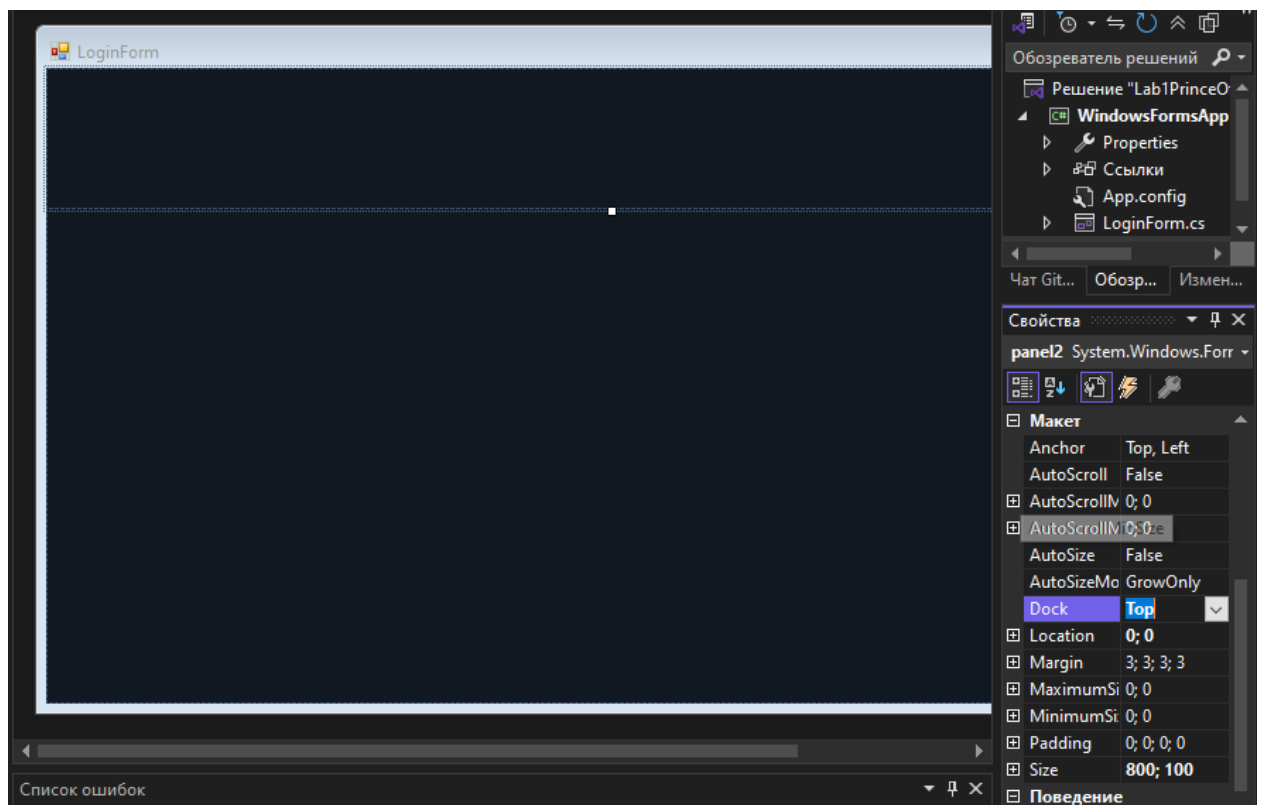
7



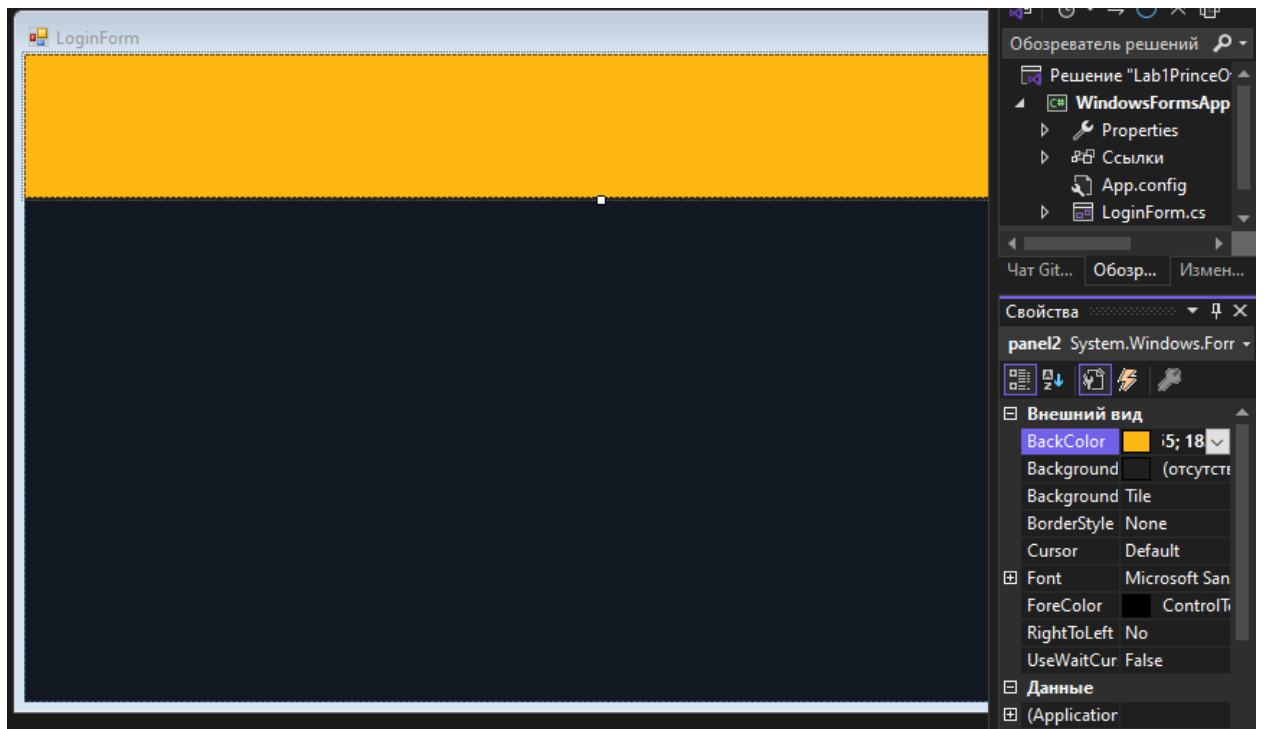
8



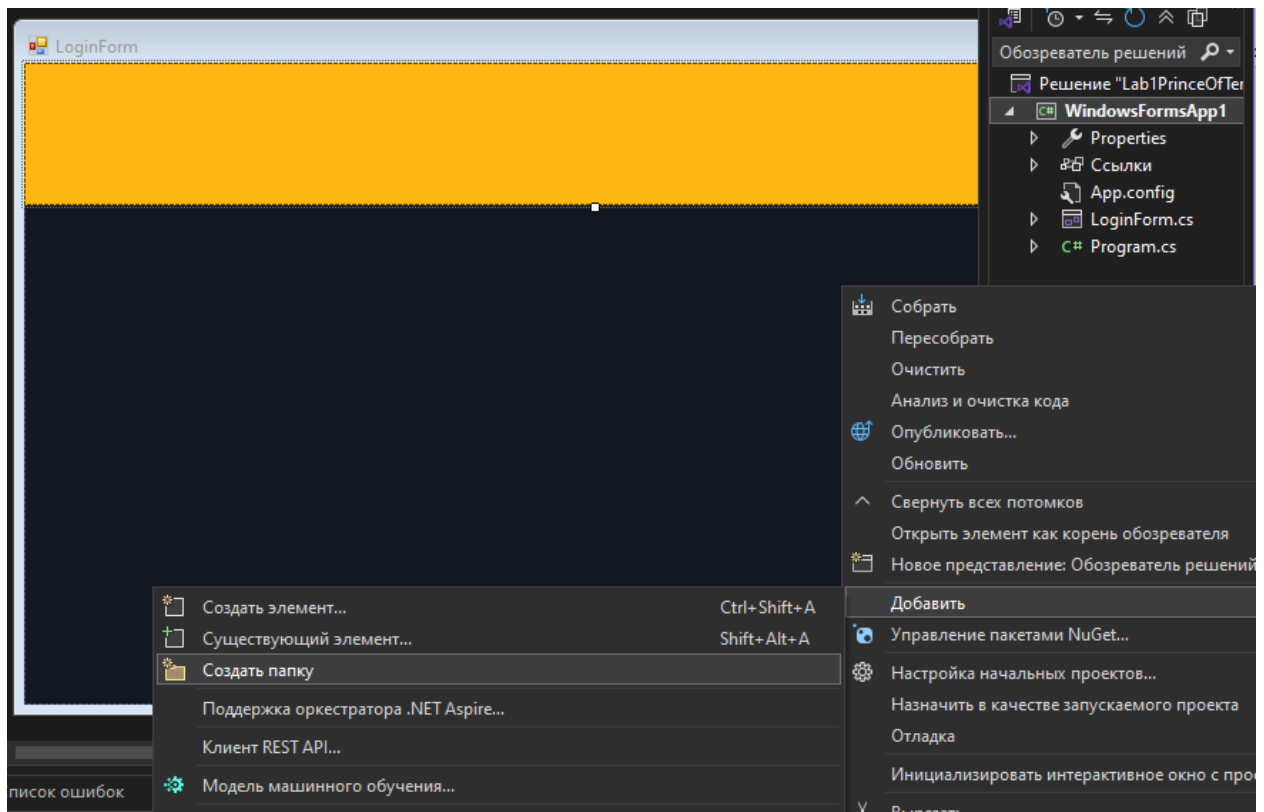
9



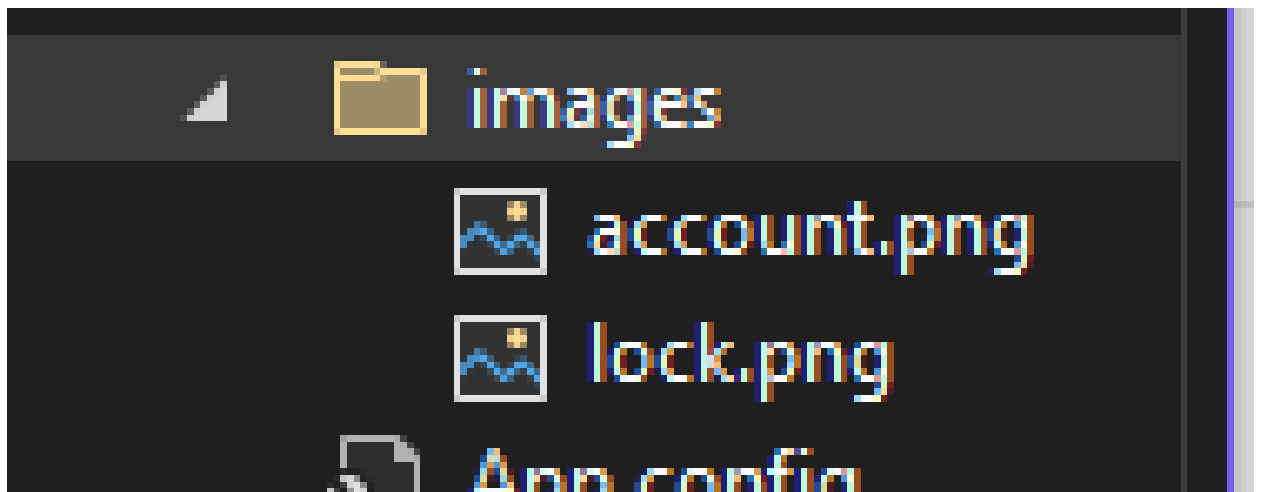
10



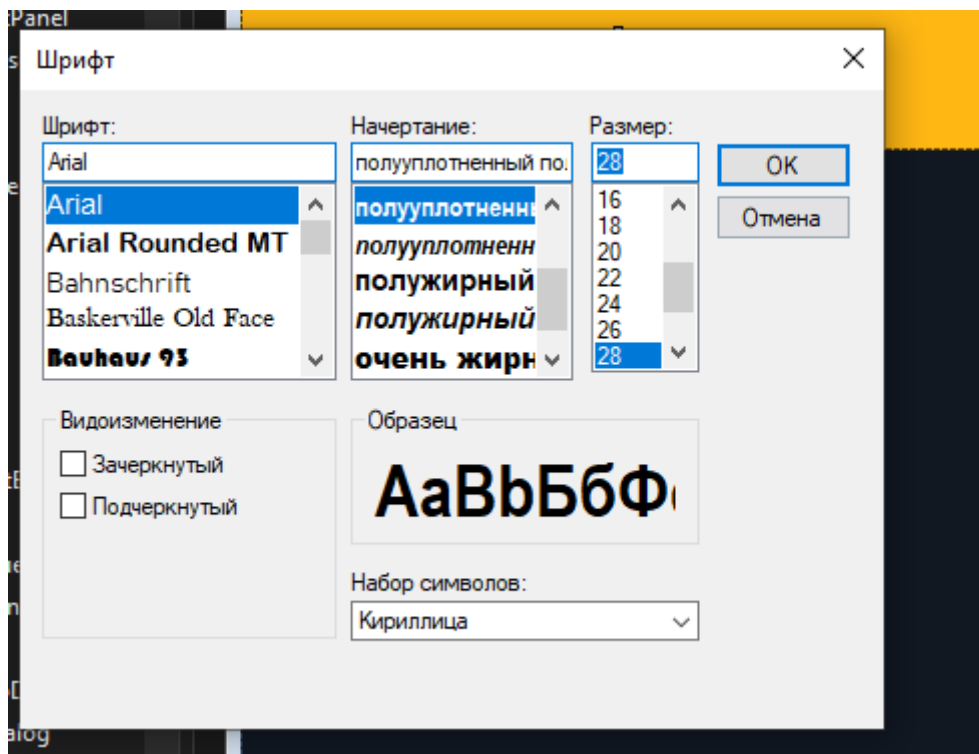
11



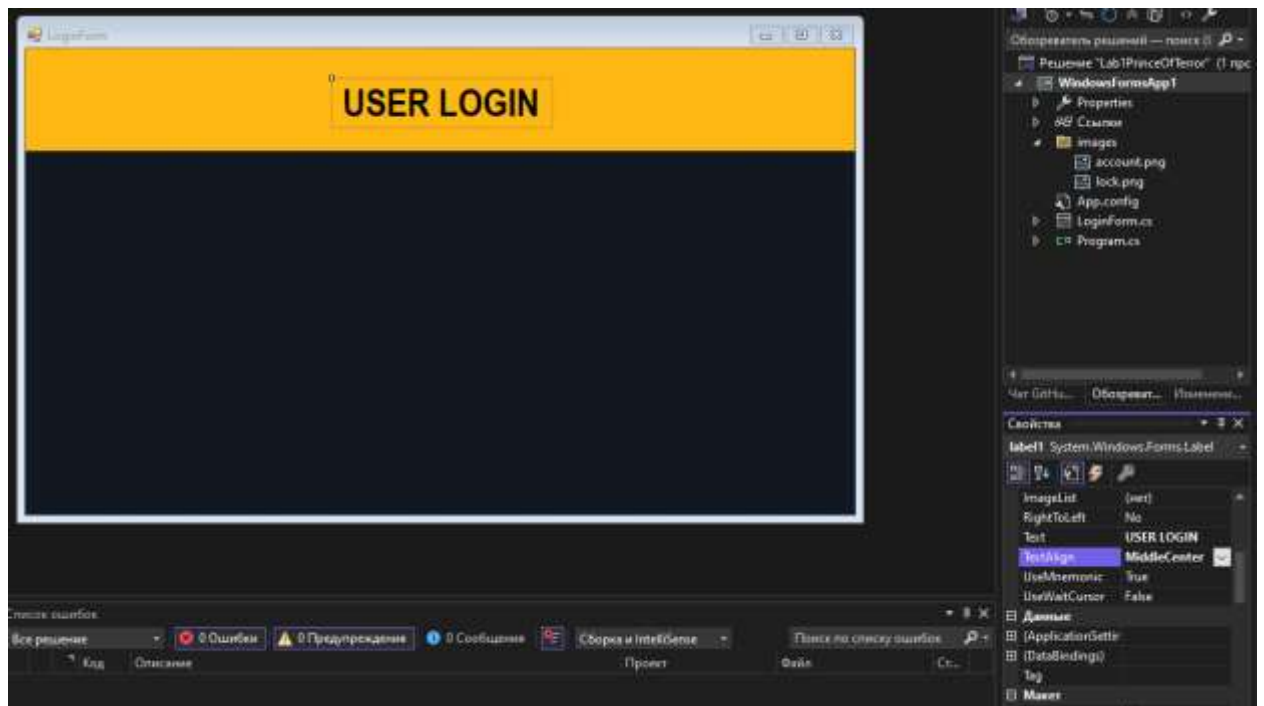
12



13



14



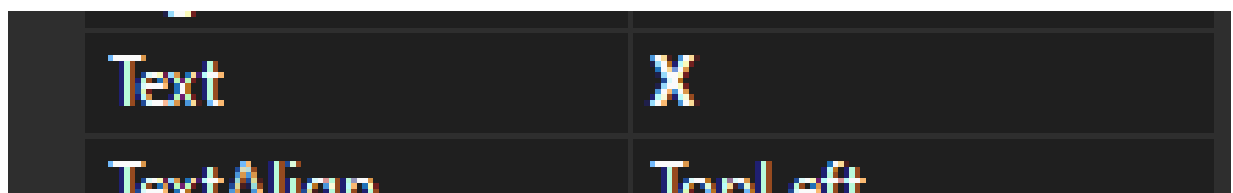
15



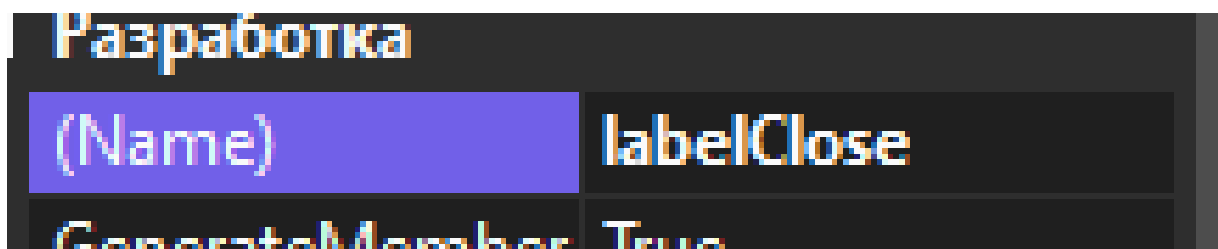
16



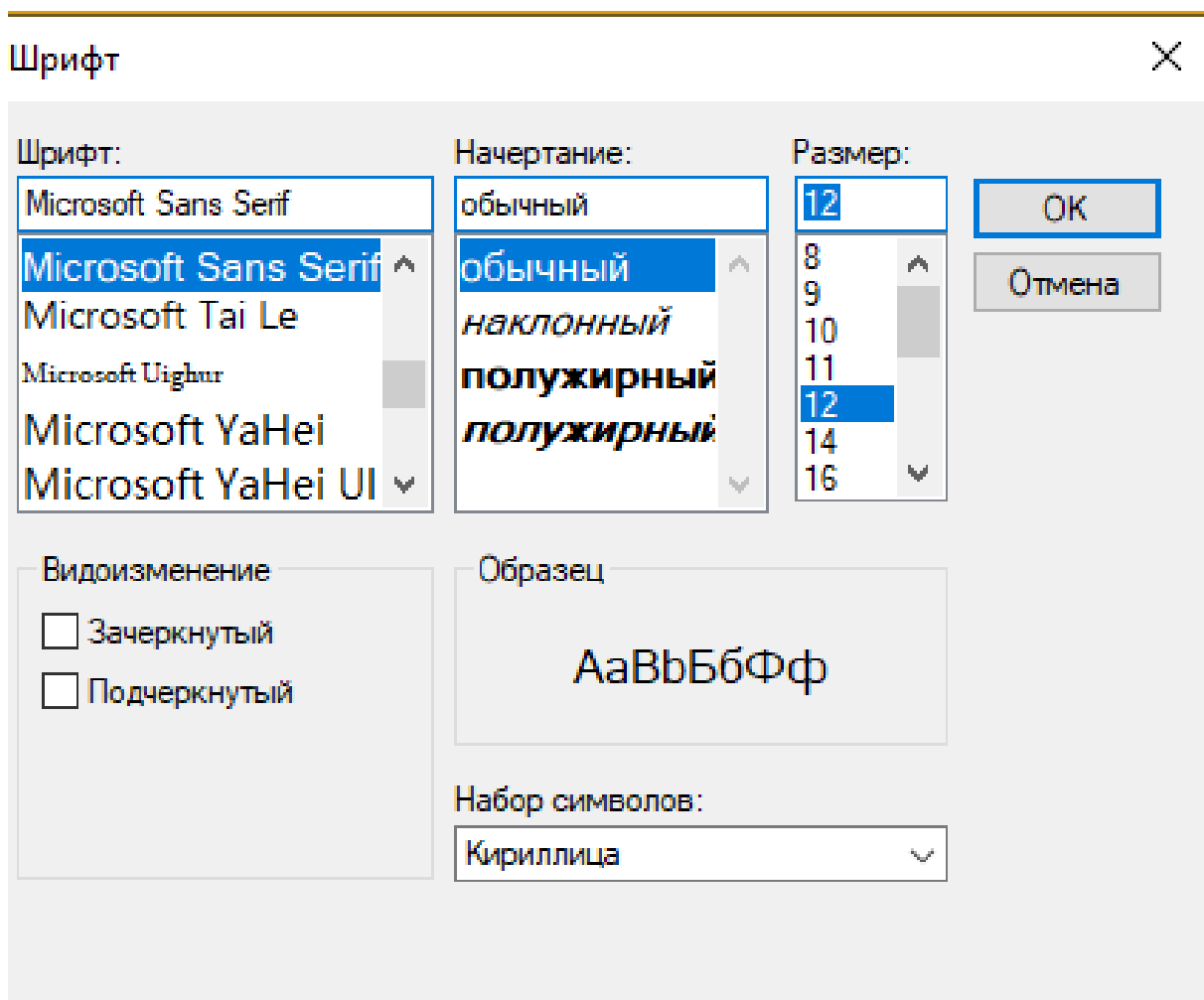
17



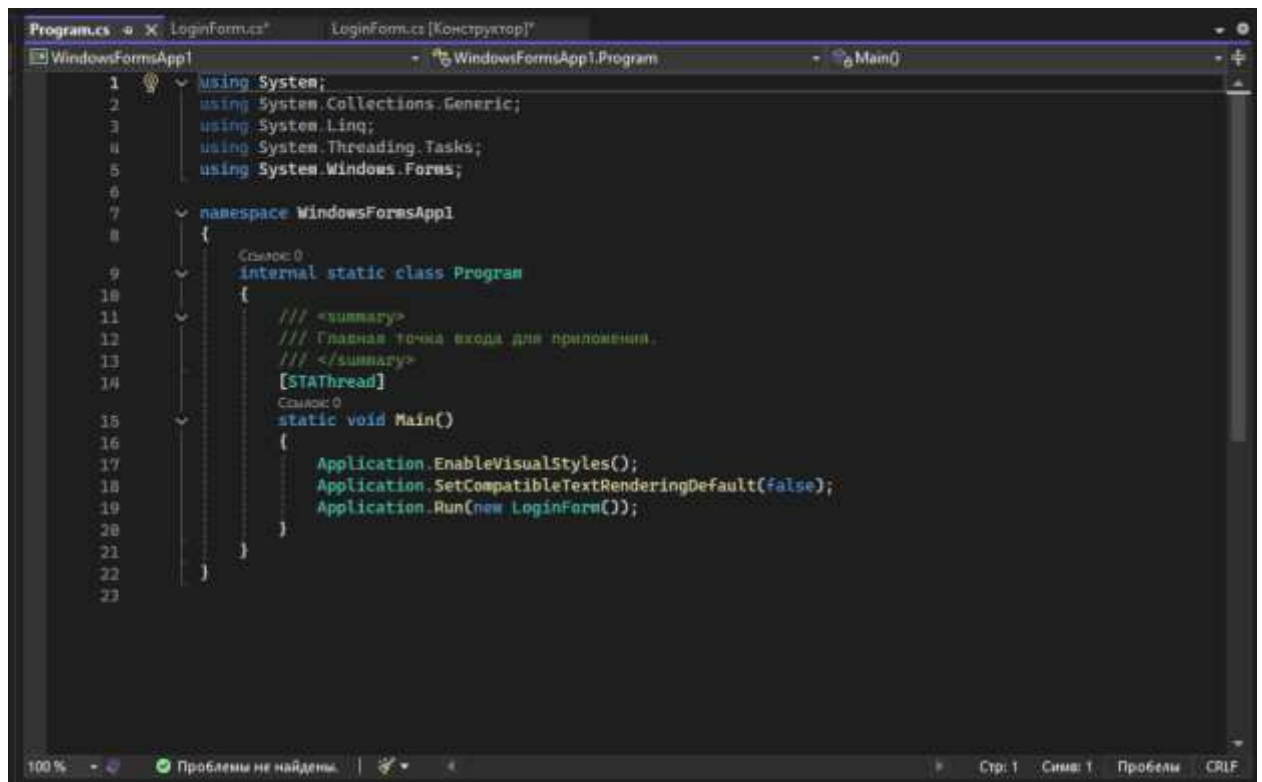
18



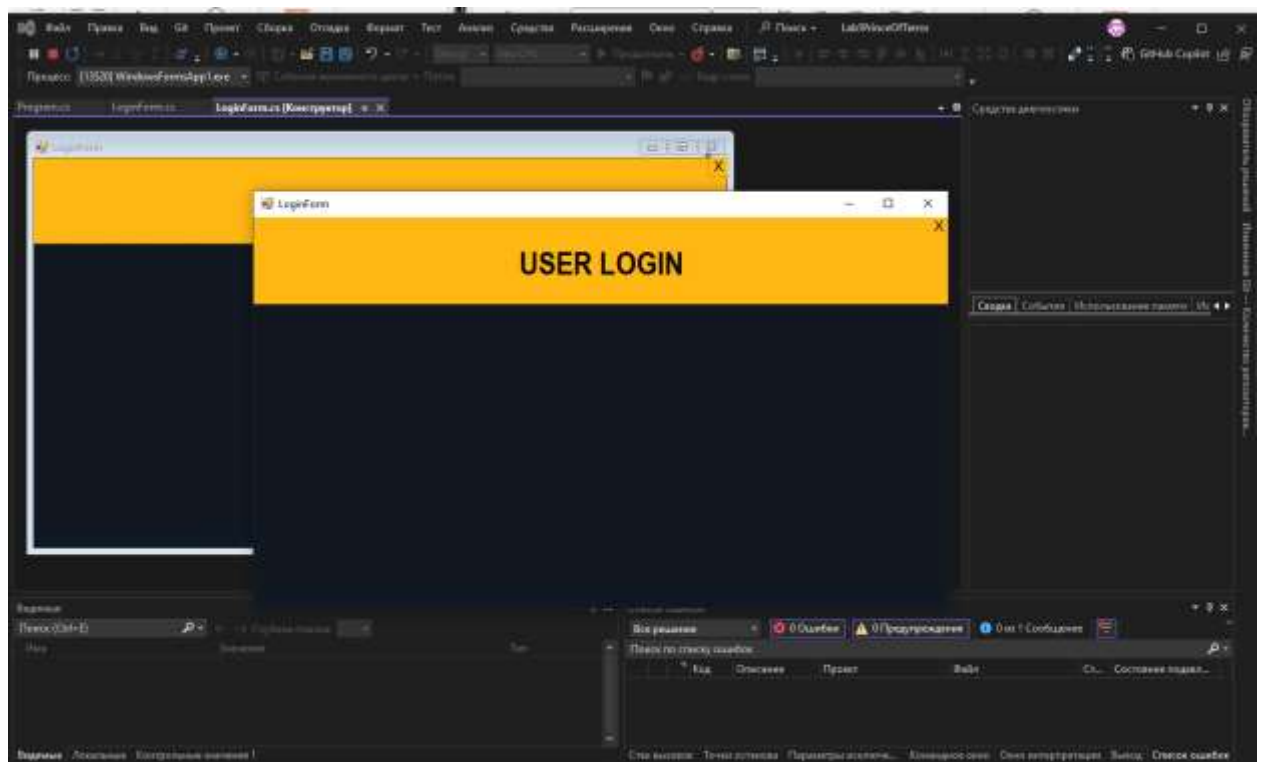
19



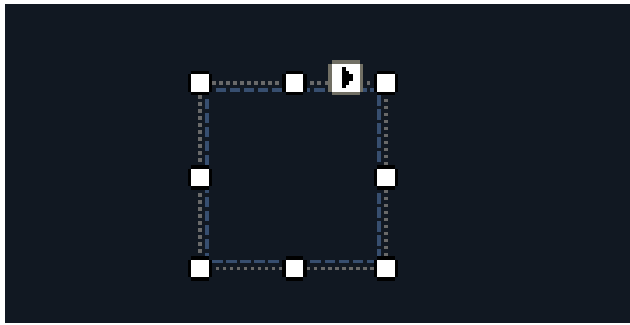
20



21



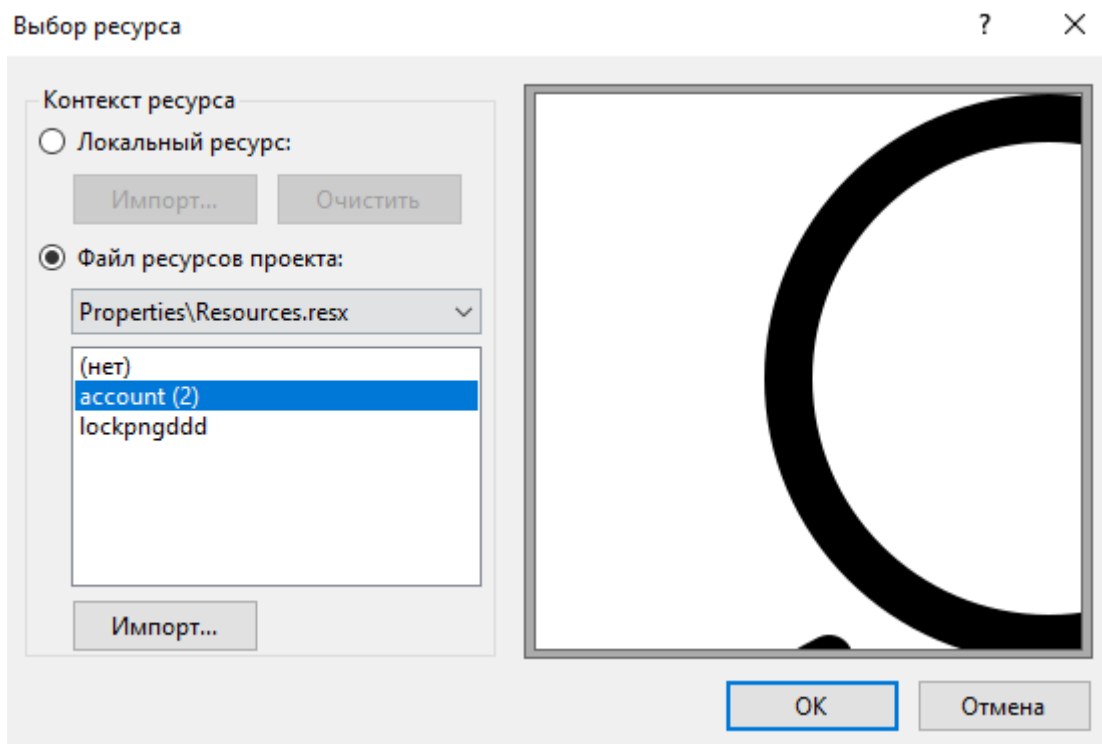
22



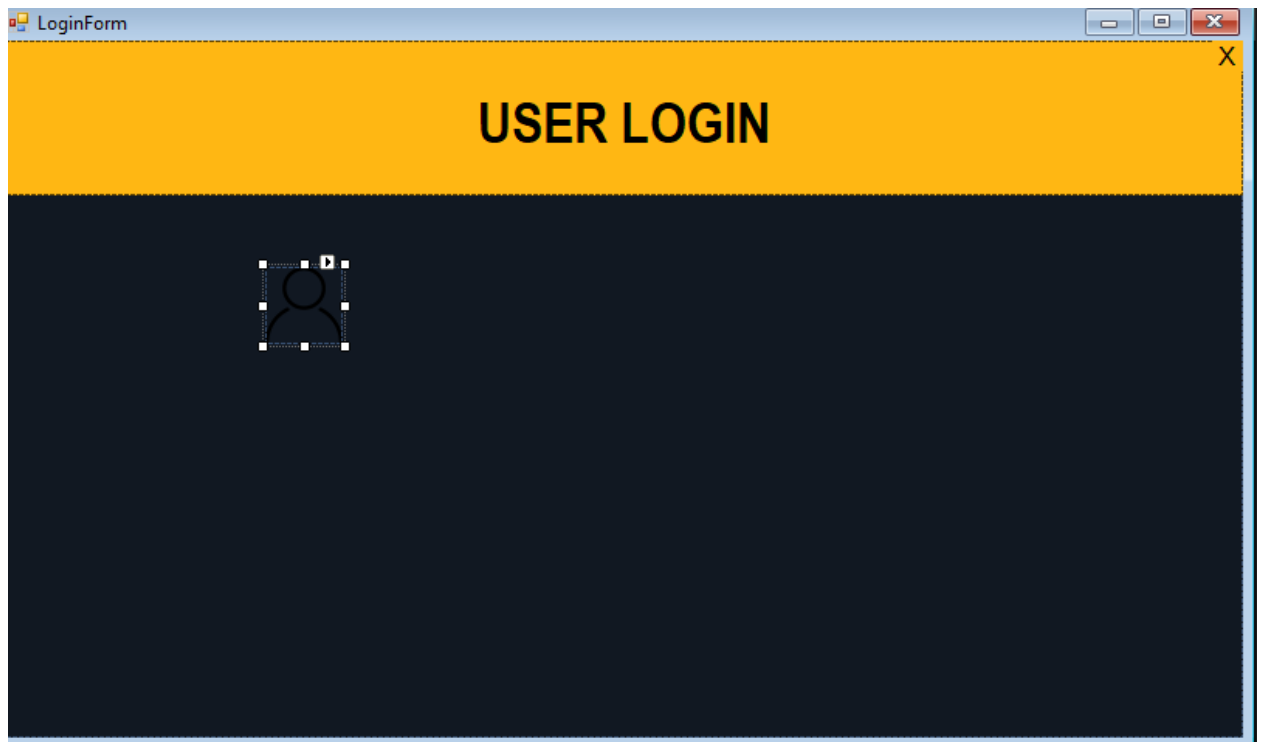
23



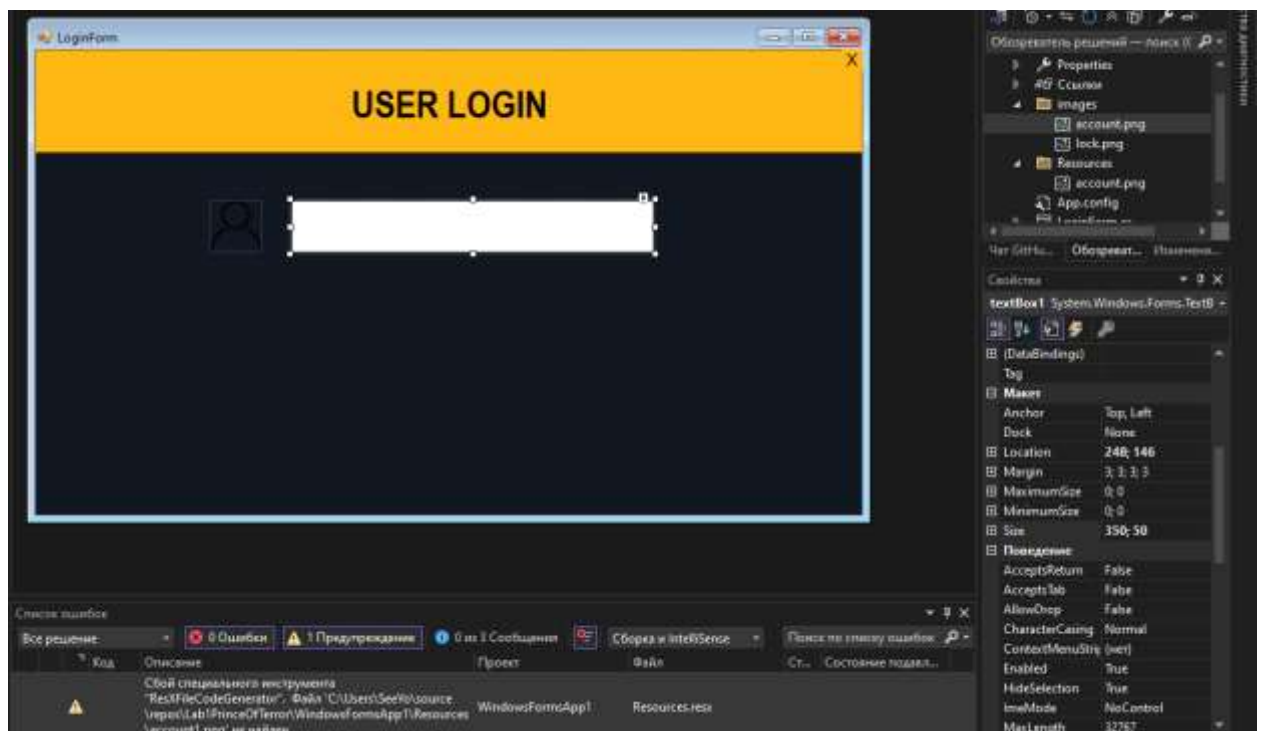
24



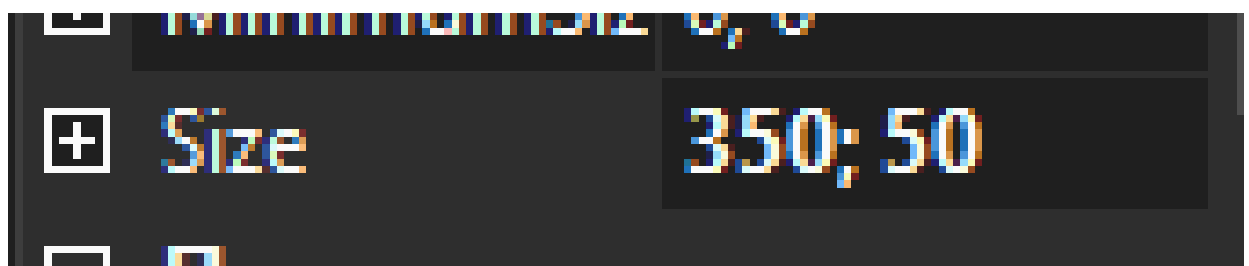
25



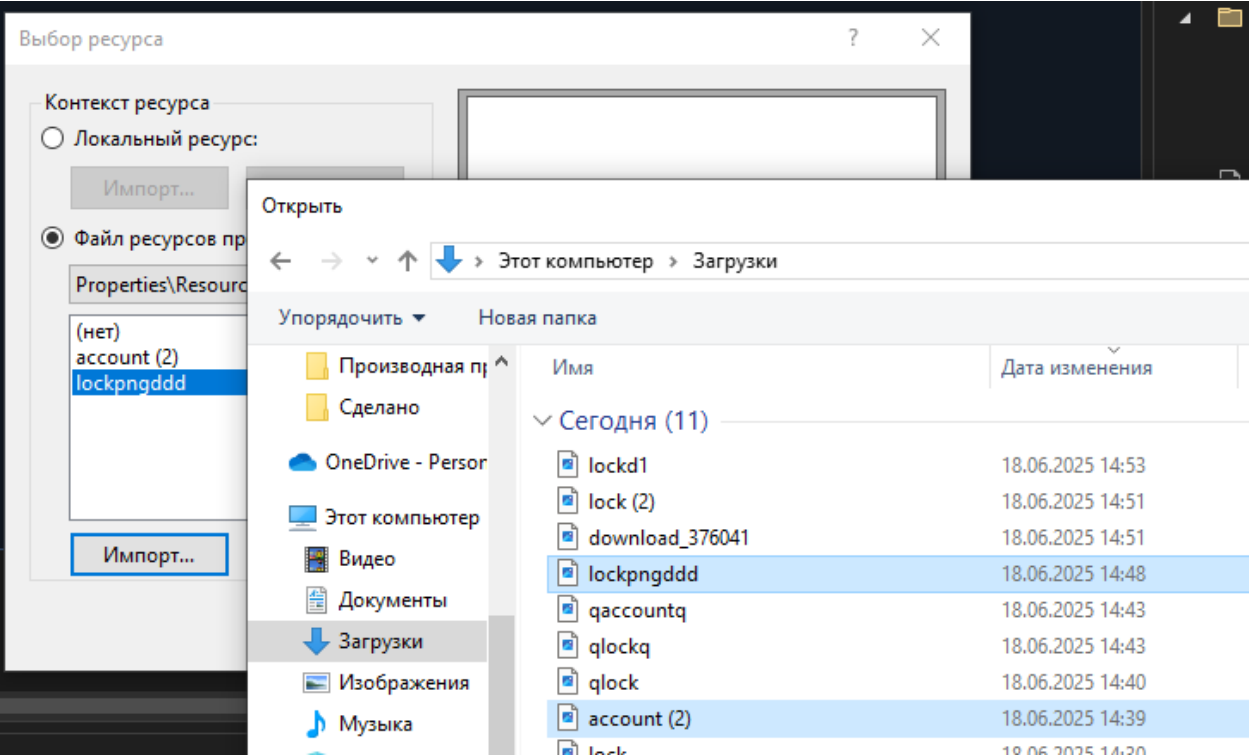
26



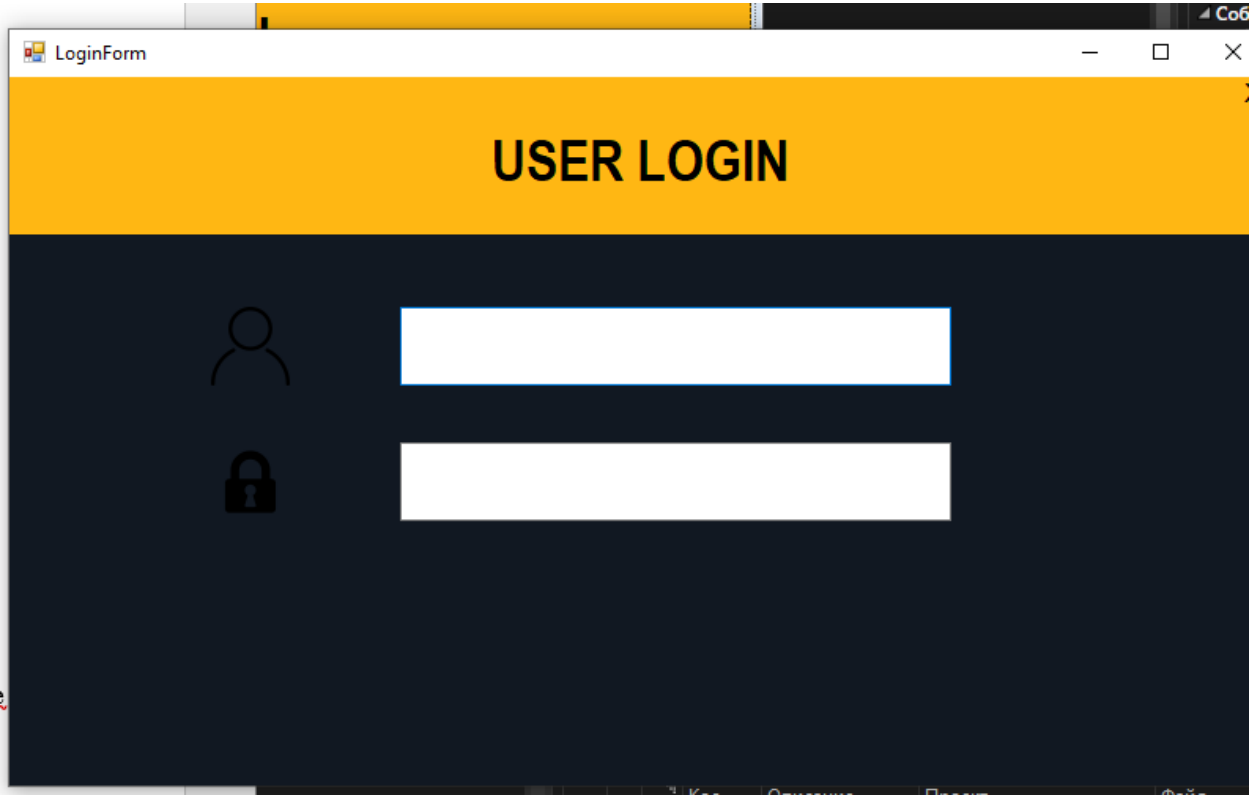
27



28



29



30

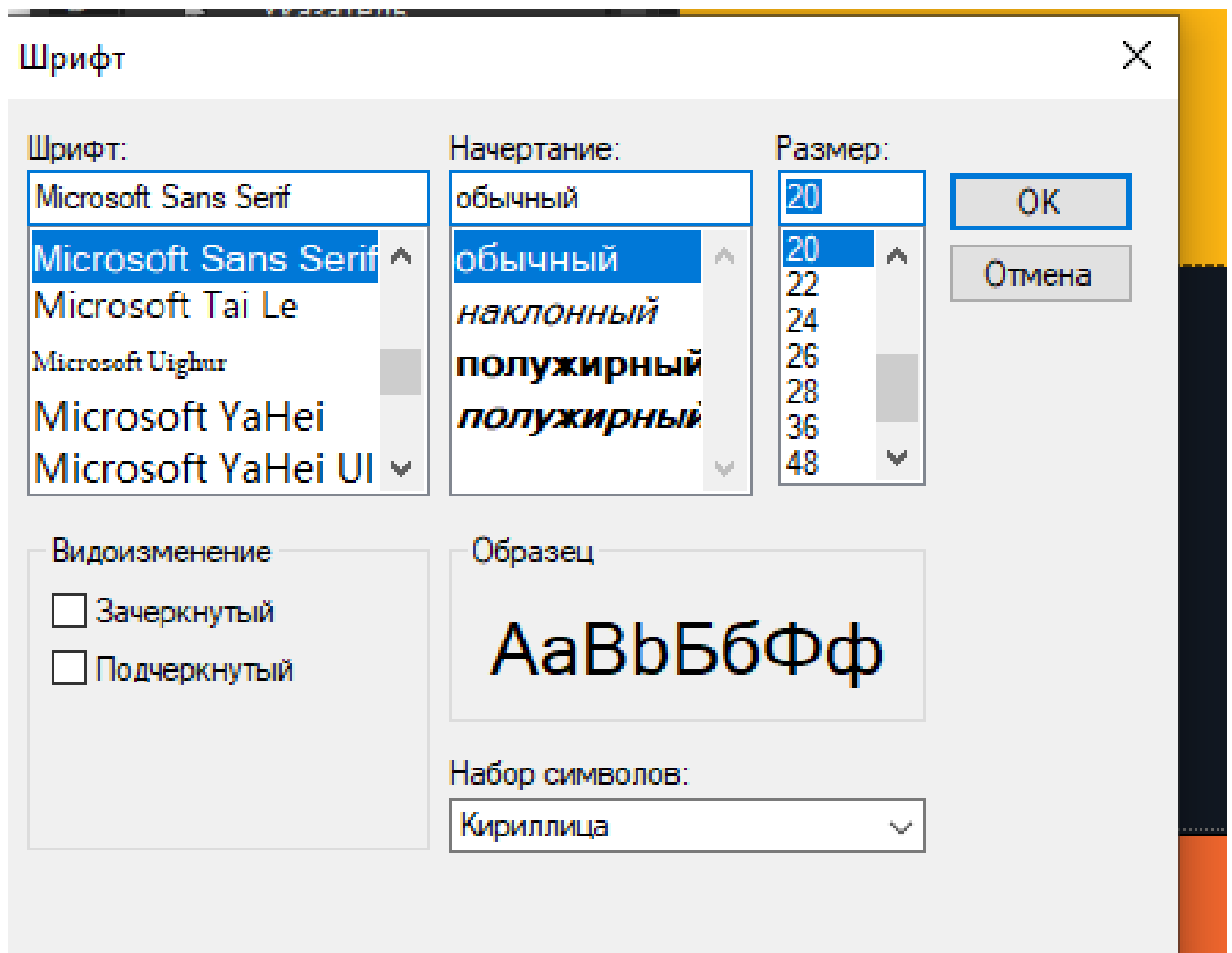


31

32



33



34



35

FlatAppearance	
BorderColor	
BorderSize	0
MouseDownBackColor	
MouseOverBackColor	
FlatStyle	Flat

36

Resources.res

Settings.settin

Ссылки

images

Resources

Чат GitHub Copilot

Обозре

Свойства

Внешний вид

Шрифт

Шрифт: Microsoft Sans Serif

Начертание: обычный

Размер: 23

Видоизменение

Зачеркнутый

Подчеркнутый

Образец

АаВвБбФф

Набор символов: Кириллица

37

Разработка	
(Name)	textBoxUserName
GenerateMember	True

38

nameCompressedSource	None
Разработка	
(Name)	textBoxPassword
GenerateMember	True

39

Разработка	
(Name)	buttonLogin

40

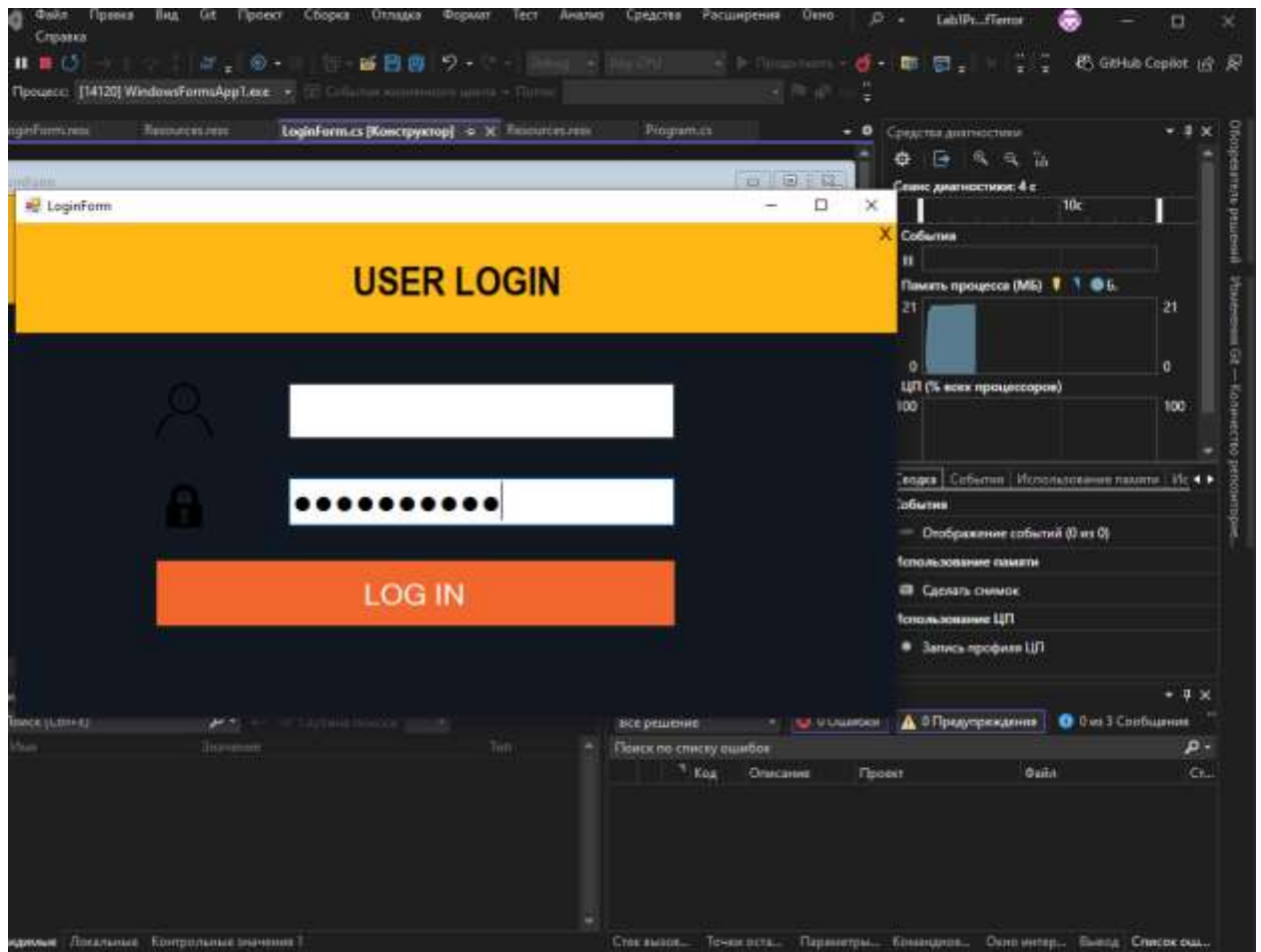
tabStop	True
UseSystemPasswordChar	True
UseSystemPasswordChar	True

41

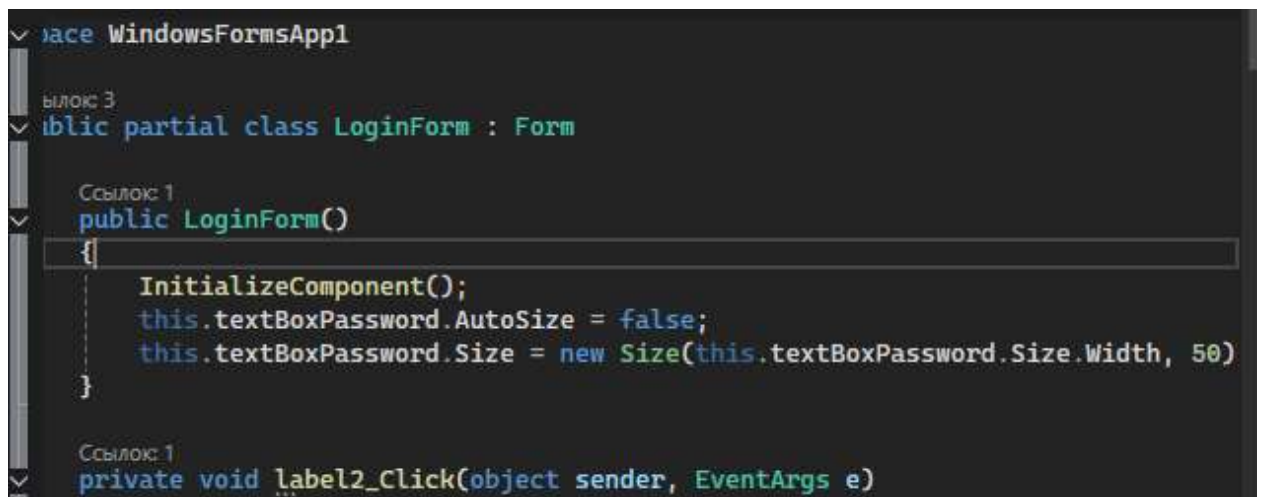
TextBox Задачи

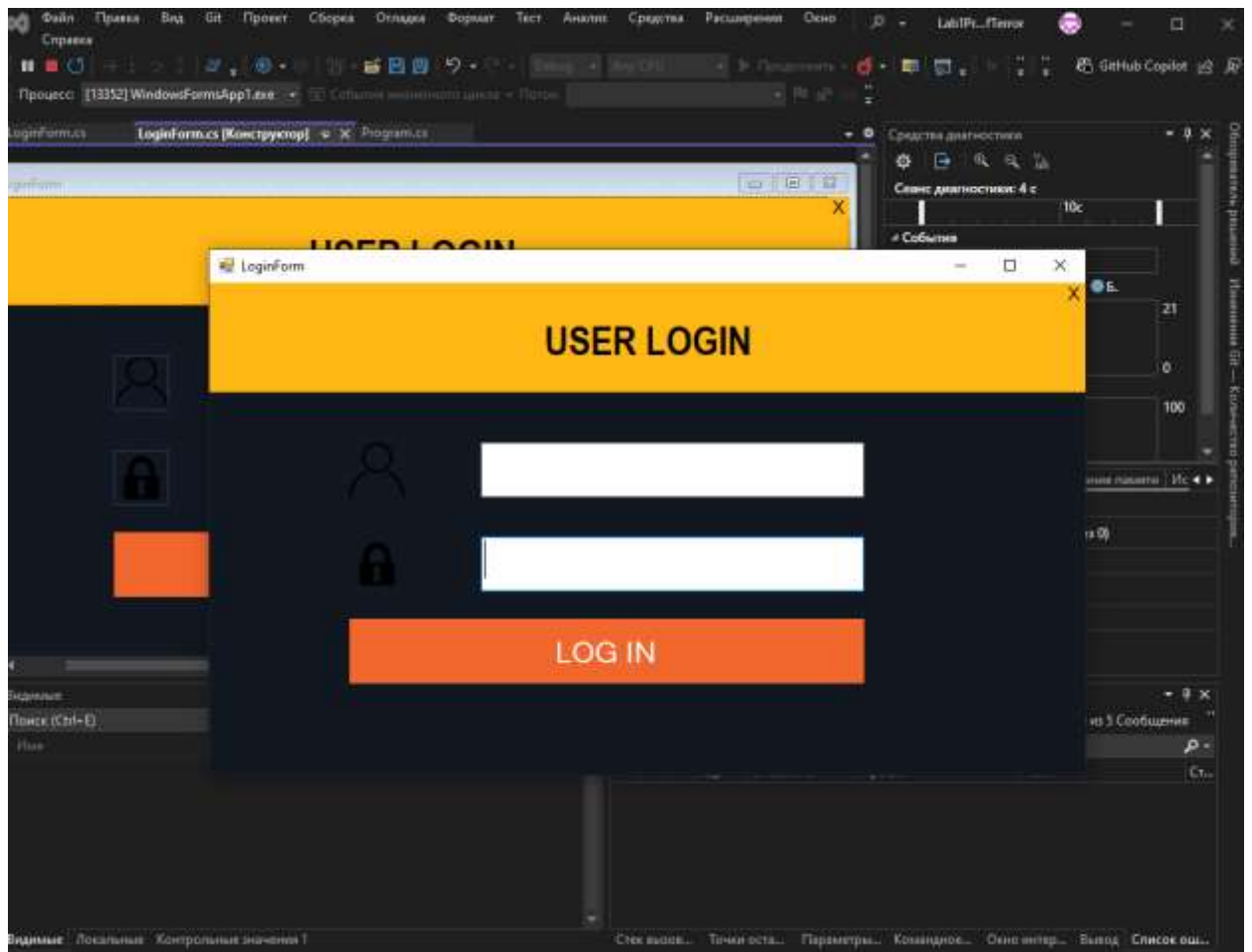
MultiLine

42



43





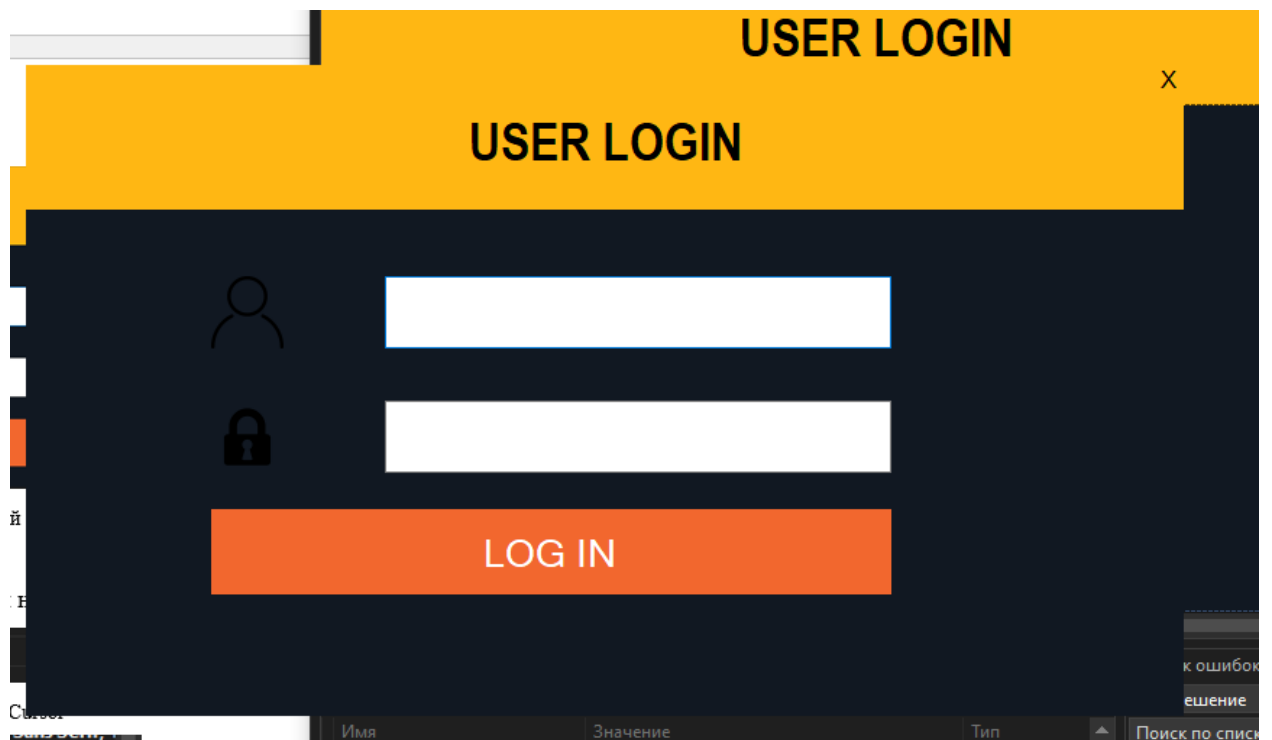
45



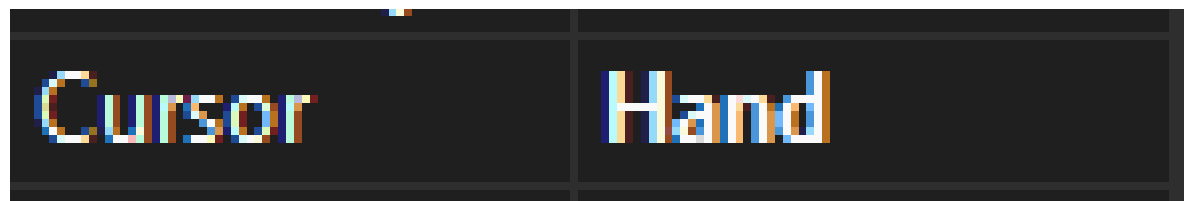
46



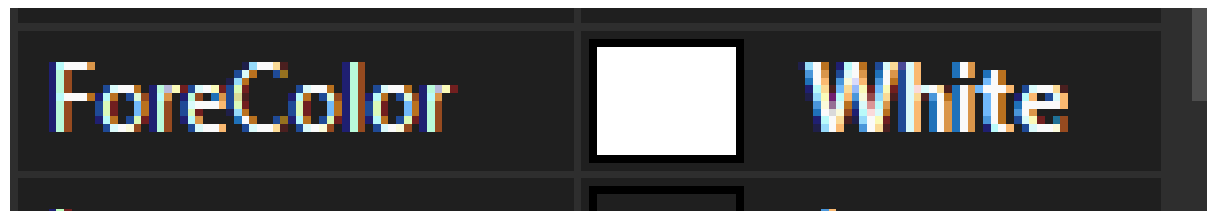
47



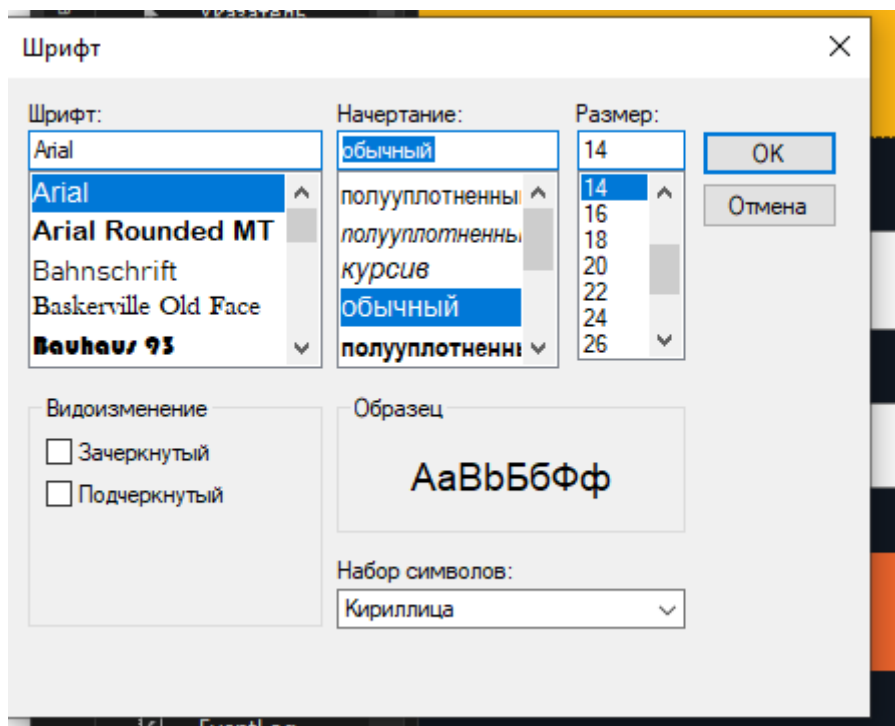
48



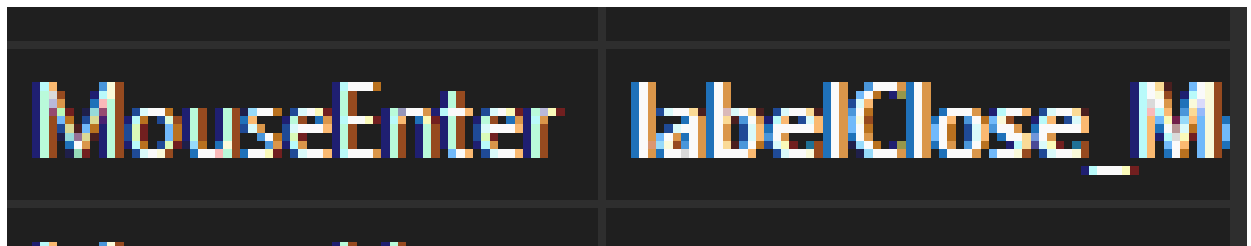
49



50



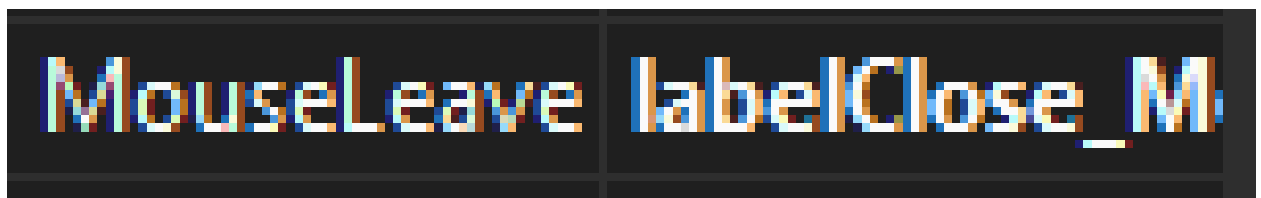
51



52

```
Ссылка: 1
private void labelClose_MouseEnter(object sender, EventArgs e)
{
    labelClose.ForeColor = Color.Black;
}
```

53




54


Ссылка: 1

```
private void labelClose_MouseLeave(object sender, EventArgs e)
{
    labelClose.ForeColor = Color.White;
}
```

55

USER LOGIN







LOG IN

56

USER LOGIN





LOG IN

57

Ссылка: 1

```
private void labelClose_Click(object sender, EventArgs e)
{
    this.Close();
}
```

58

dev.mysql.com/downloads/connector/net/

MySQL Community Downloads

Connector/NET

General Availability (GA) Releases Archives

Connector/NET 9.3.0

Select Operating System:

Microsoft Windows

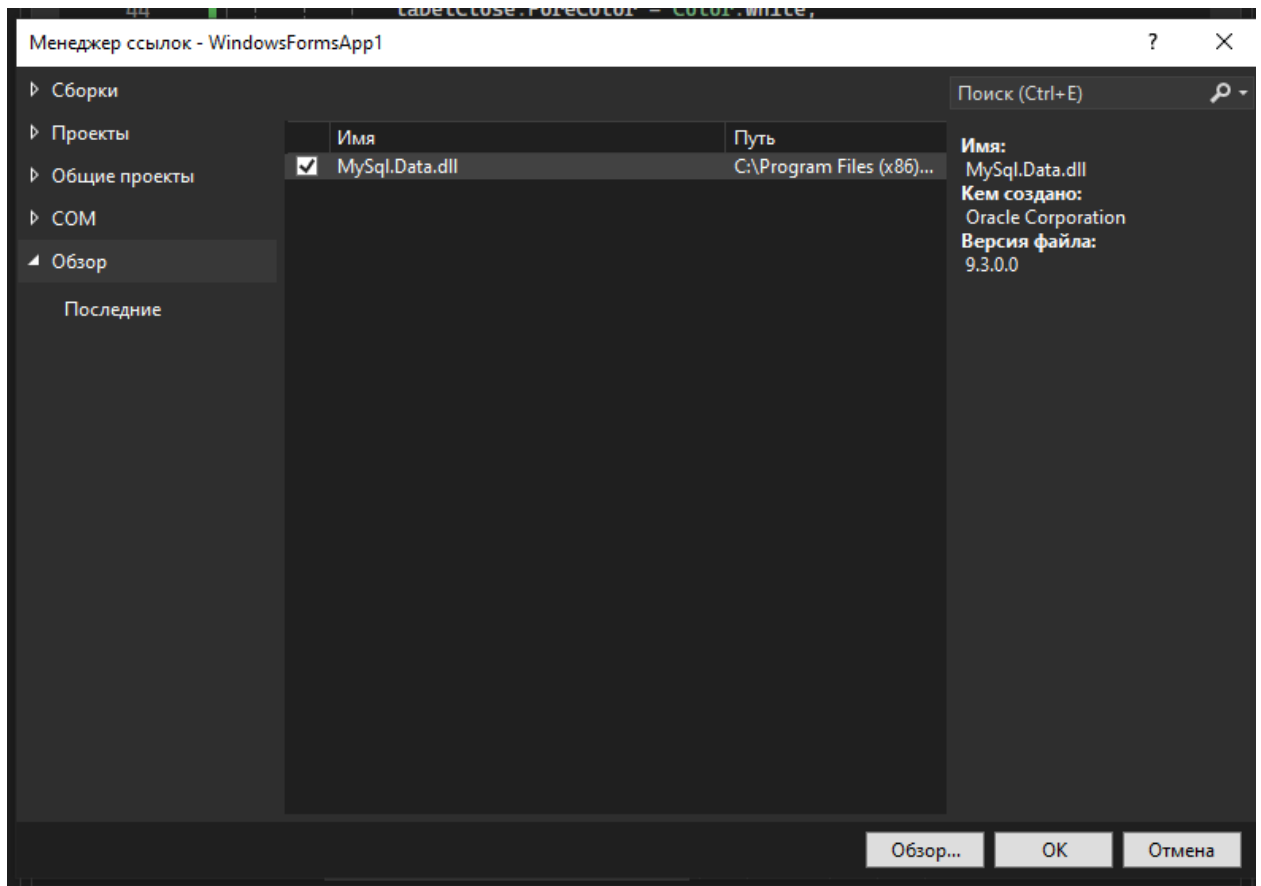
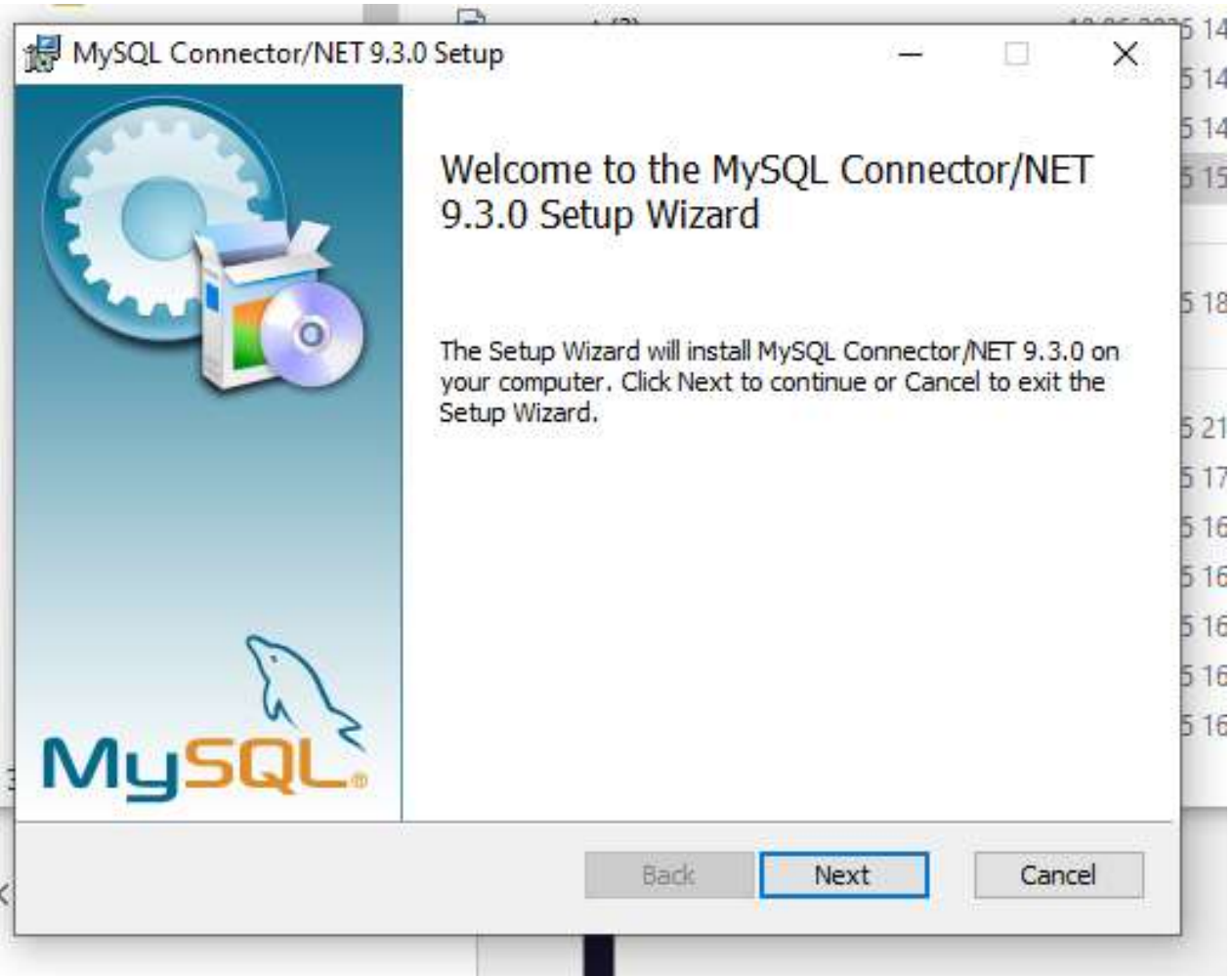
Windows (x86, 32-bit), MSI Installer	9.3.0	1.6M	Download
(mysql-connector-net-9.3.0.msi)		MD5: 5fe4764865feca37b80525887ad58c7 Signature	

We suggest that you use the [MD5 checksums](#) and [GnuPG signatures](#) to verify the integrity of the packages you download.

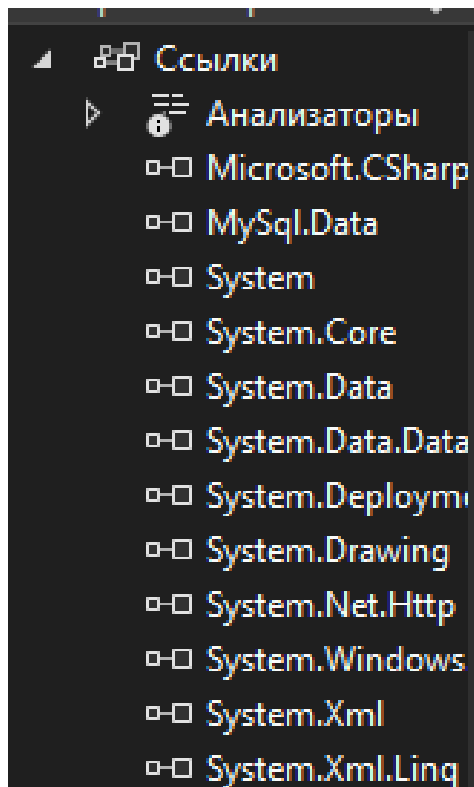
ORACLE © 2025 Oracle

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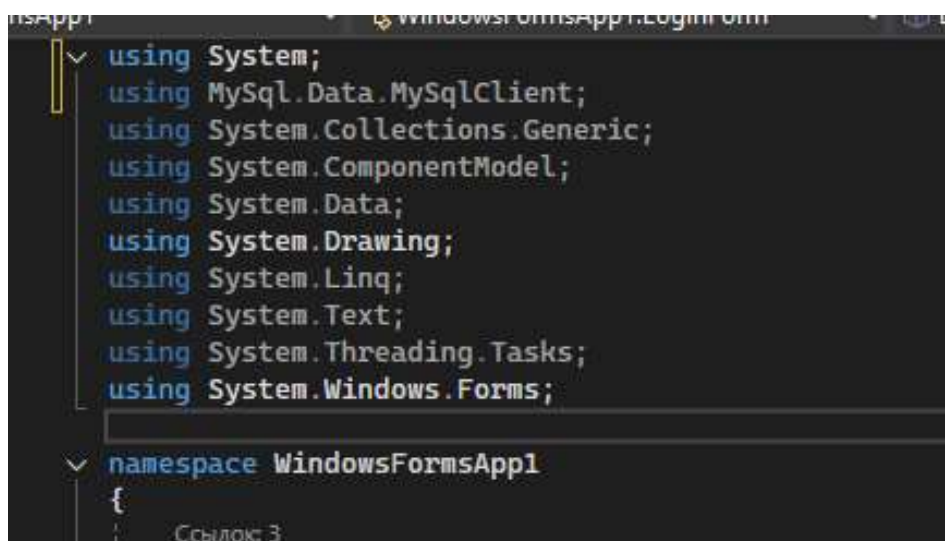
59



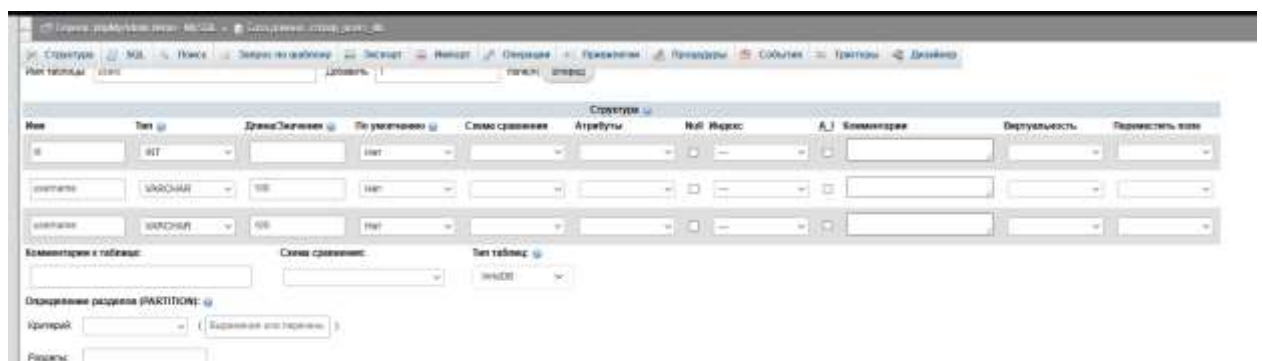
60



61



62



63

Interface for creating a new database. It shows the database name 'csharp_users_db' and the character set 'utf8mb4_0900_ai_ci'. A blue button labeled 'Создать' (Create) is visible.

64

Interface for creating a new table. The title is 'Create new table'. The table name is 'users' and the number of columns is '3'. A blue button labeled 'Создать' (Create) is visible.

65

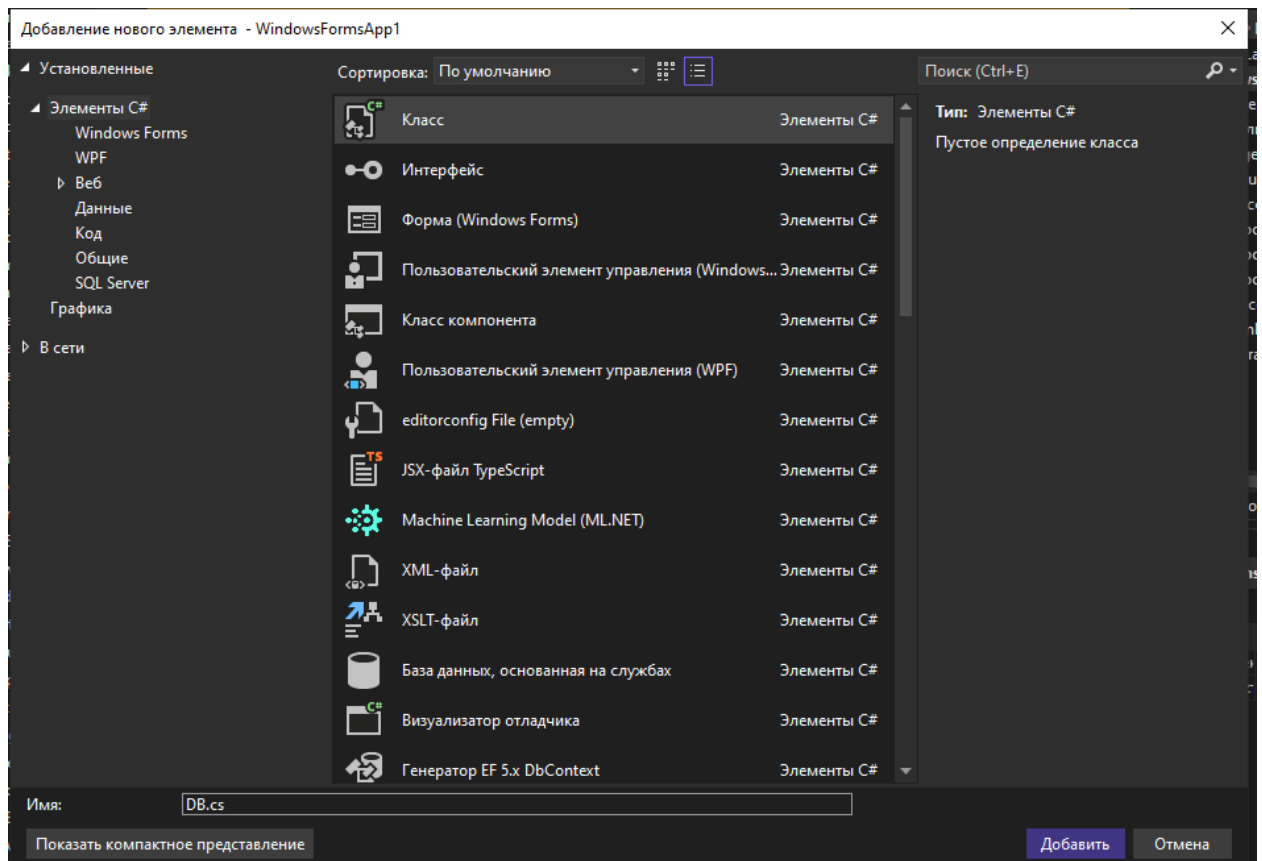
Interface for configuring the structure of the 'users' table. It shows three columns: 'id' (INT), 'username' (VARCHAR 100), and 'password' (VARCHAR 100). Each column has a 'По умолчанию' (By default) dropdown set to 'Нет' (No) and a 'Сравнение' (Comparison) dropdown. A 'Вперед' (Next) button is visible.

Имя	Тип	Длина/Значения	По умолчанию	Сравнение	Атрибуты	Null	Инд.
id	INT		Нет			<input type="checkbox"/>	PI
username	VARCHAR	100	Нет			<input type="checkbox"/>	--
password	VARCHAR	100	Нет			<input type="checkbox"/>	--

66

```
private MySqlConnection connection = new MySqlConnection("server=localhost;port=3306;username=root;password=;database=csharp_users_db");
```

67



68

```
namespace WindowsFormsApp6
{
    Control: 1
    internal class DB
    {
        private MySqlConnection connection = new MySqlConnection("server=localhost;port=3306;username=root;password=;database=csharp_users_db");
    }
}
```

69

```
Ссылка: 0
public void openConnection()
{
    if(connection.State == System.Data.ConnectionState.Closed)
    {
        connection.Open();
    }
}
```

70

```

ОсбылОжк: 0
public void closeConnection()
{
    if (connection.State == System.Data.ConnectionState.Open)
    {
        connection.Close();
    }
}

```

71

```

ОсбылОжк: 0
public MySqlConnection getConnection()
{
    return connection;
}

```

72

```

ОсбылОжк: 1
private void buttonLogin_Click(object sender, EventArgs e)
{
    DB db = new DB();
    String username = textBoxUserName.Text;
    String password = textBoxPassword.Text;

    DataTable table = new DataTable();

    MySqlDataAdapter adapter = new MySqlDataAdapter();

    MySqlCommand command = new MySqlCommand("SELECT * FROM 'users' WHERE 'username' = @usn and 'password' = @pass", db.getConnection());

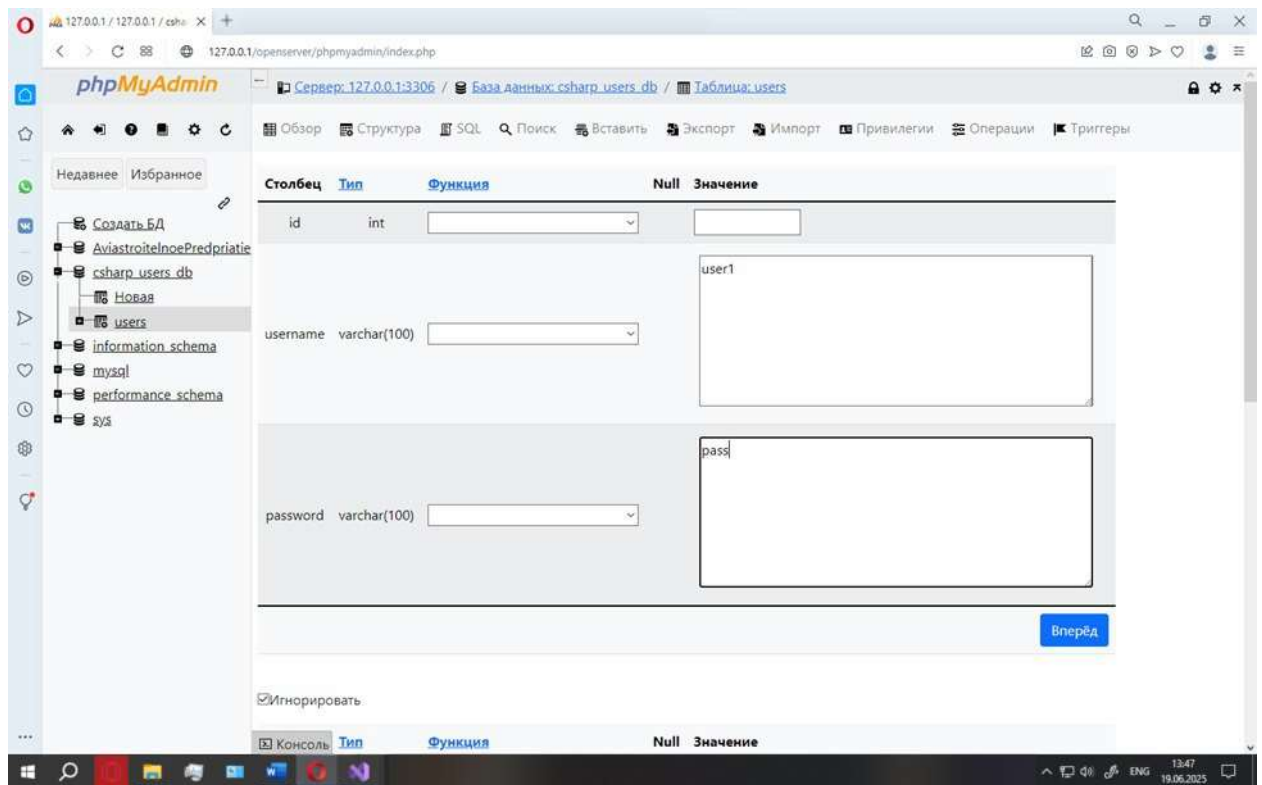
    command.Parameters.Add("@usn", MySqlDbType.VarChar).Value = username;
    command.Parameters.Add("@pass", MySqlDbType.VarChar).Value = password;

    adapter.SelectCommand = command;
    adapter.Fill(table);

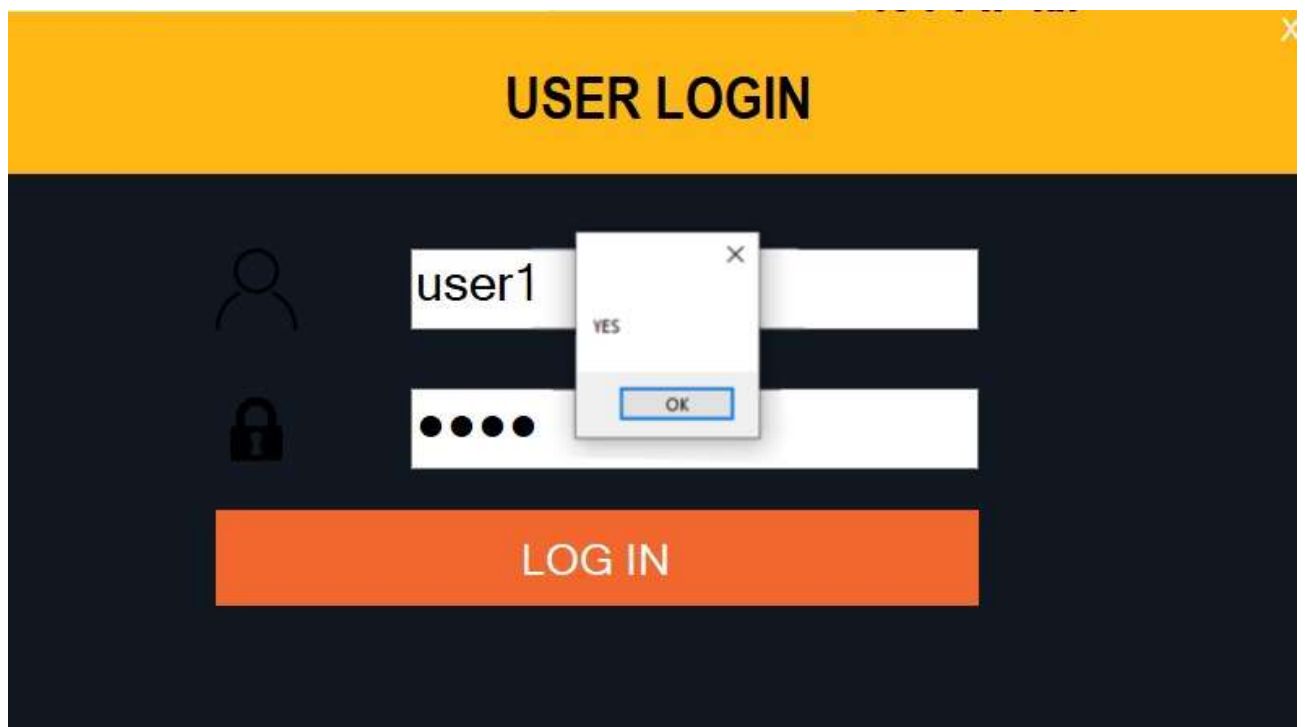
    if(table.Rows.Count > 0)
    {
        MessageBox.Show("YES");
    }
    else
    {
        MessageBox.Show("NO");
    }
}

```

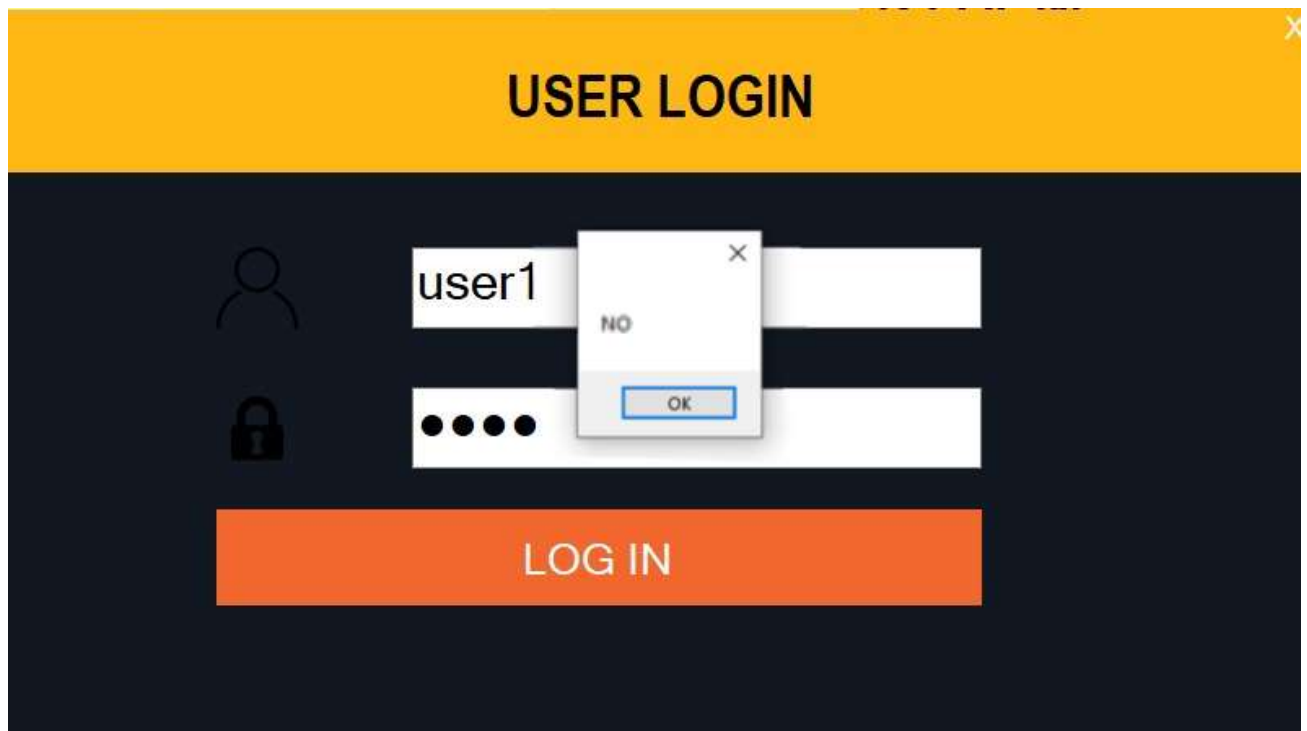
73



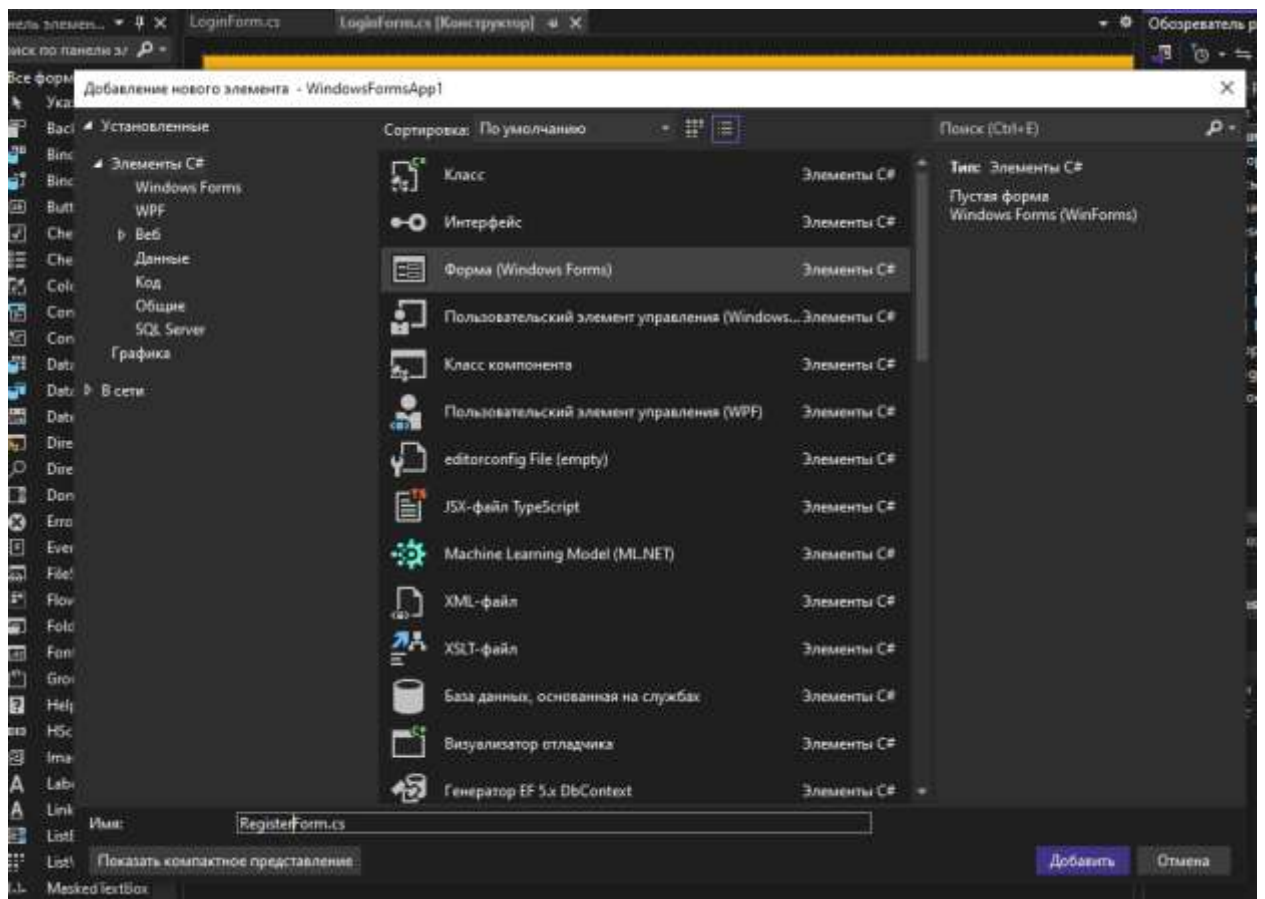
74



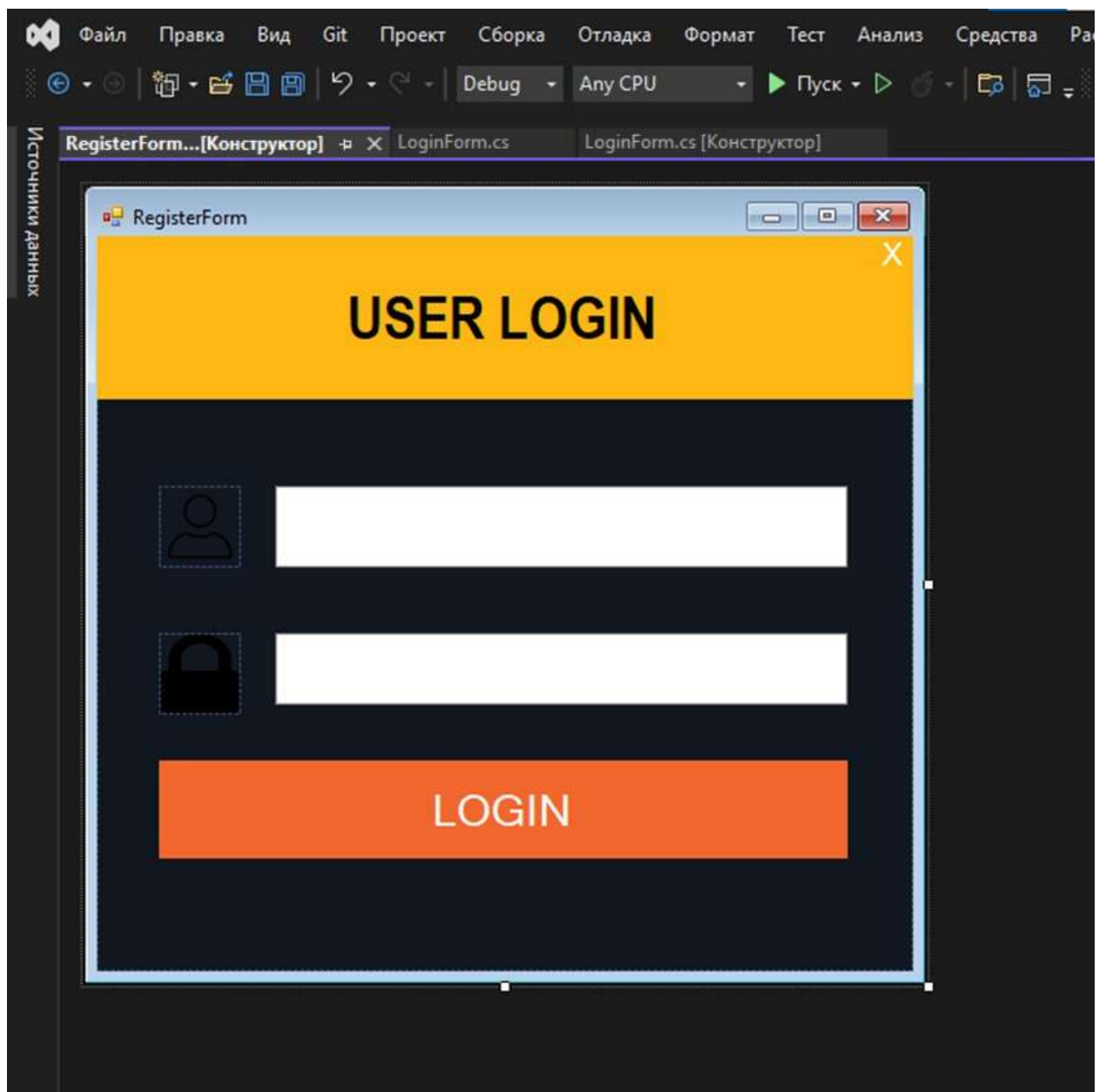
75



57



58



RegisterForm

CREATE YOUR ACCOUNT

60

```
Осылық: 0
static void Main()
{
    Application.EnableVisualStyles();
    Application.SetCompatibleTextRenderingDefault(false);
    Application.Run(new RegisterForm());
}
```

61

StartPosition	CenterScreen
---------------	--------------

62

(DataBindings)	
(Name)	textBoxFirstName

63

(DataBindings)	
(Name)	textBoxLastname

64

(DataBindings)	
(Name)	textBoxEmail

65

(Name)	textBoxUsername
--------	-----------------

66

(DataBindings)	
(Name)	textBoxPasswordCon

67

(DataBindings)	
(Name)	buttonCreateAccount

68

RegisterForm

CREATE YOUR ACCOUNT

first name last name

email address

username

••••••••

••••••••••••••••

CREATE ACCOUNT

69

UseSystemPassword	False	▼
-------------------	-------	---

70

RegisterForm

CREATE YOUR ACCOUNT

first name last name

email address

username

password

confirm password

CREATE ACCOUNT

71

ССЫЛОК: 1

```
private void textBoxFirstName_Enter(object sender, EventArgs e)
{
    String fname = textBoxFirstName.Text;
    if(fname.ToLower().Trim().Equals("first name"))
    {
        textBoxFirstName.Text = "";
        textBoxFirstName.ForeColor = Color.Black;
    }
}
```

72

```

Оссылка: 1
private void textBoxFirstName_Leave(object sender, EventArgs e)
{
    String fname = textBoxFirstName.Text;
    if (fname.ToLower().Trim().Equals("first name") || fname.Trim().Equals(""))
    {
        textBoxFirstName.Text = "first name";
        textBoxFirstName.ForeColor = Color.Gray;
    }
}

```

73

```

Оссылка: 1
public RegisterForm()
{
    InitializeComponent();
    this.ActiveControl = label1;
}

```

74

```

Оссылка: 1
private void textBoxLastName_Enter(object sender, EventArgs e)
{
    String lname = textBoxLastName.Text;
    if (lname.ToLower().Trim().Equals("last name"))
    {
        textBoxLastName.Text = "";
        textBoxLastName.ForeColor = Color.Black;
    }
}

Оссылка: 1
private void textBoxLastName_Leave(object sender, EventArgs e)
{
    String lname = textBoxLastName.Text;
    if (lname.ToLower().Trim().Equals("last name") || lname.Trim().Equals(""))
    {
        textBoxLastName.Text = "last name";
        textBoxLastName.ForeColor = Color.Gray;
    }
}

```

75

```

Ссылка: 1
private void textBoxEmail_Enter(object sender, EventArgs e)
{
    String email = textBoxEmail.Text;
    if (email.ToLower().Trim().Equals("email address"))
    {
        textBoxEmail.Text = "";
        textBoxEmail.ForeColor = Color.Black;
    }
}

Ссылка: 1
private void textBoxEmail_Leave(object sender, EventArgs e)
{
    String email = textBoxEmail.Text;
    if (email.ToLower().Trim().Equals("email address") || email.Trim().Equals(""))
    {
        textBoxEmail.Text = "email address";
        textBoxEmail.ForeColor = Color.Gray;
    }
}

```

76

```

Ссылка: 1
private void textBoxUsername_Enter(object sender, EventArgs e)
{
    String username = textBoxUsername.Text;
    if (username.ToLower().Trim().Equals("username"))
    {
        textBoxUsername.Text = "";
        textBoxUsername.ForeColor = Color.Black;
    }
}

Ссылка: 1
private void textBoxUsername_Leave(object sender, EventArgs e)
{
    String username = textBoxUsername.Text;
    if (username.ToLower().Trim().Equals("username") || username.Trim().Equals(""))
    {
        textBoxUsername.Text = "username";
        textBoxUsername.ForeColor = Color.Gray;
    }
}

```

77

Ссылка: 1

```
private void textBoxPassword_Enter(object sender, EventArgs e)
{
    String password = textBoxPassword.Text;
    if (password.ToLower().Trim().Equals("password"))
    {
        textBoxPassword.Text = "";
        textBoxPassword.UseSystemPasswordChar = true;
        textBoxPassword.ForeColor = Color.Black;
    }
}
```

Ссылка: 1

```
private void textBoxPassword_Leave(object sender, EventArgs e)
{
    String password = textBoxPassword.Text;
    if (password.ToLower().Trim().Equals("password") || password.Trim().Equals(""))
    {
        textBoxPassword.Text = "password";
        textBoxPassword.UseSystemPasswordChar = false;
        textBoxPassword.ForeColor = Color.Gray;
    }
}
```

78

Ссылка: 1

```
private void textBoxPasswordConfirm_Enter(object sender, EventArgs e)
{
    String cpassword = textBoxPasswordConfirm.Text;
    if (cpassword.ToLower().Trim().Equals("confirm password"))
    {
        textBoxPasswordConfirm.Text = "";
        textBoxPasswordConfirm.UseSystemPasswordChar = true;
        textBoxPasswordConfirm.ForeColor = Color.Black;
    }
}
```

Ссылка: 1

```
private void textBoxPasswordConfirm_Leave(object sender, EventArgs e)
{
    String cpassword = textBoxPasswordConfirm.Text;
    if (cpassword.ToLower().Trim().Equals("confirm password") ||
        cpassword.ToLower().Trim().Equals("password") ||
        cpassword.Trim().Equals(""))
    {
        textBoxPasswordConfirm.Text = "confirm password";
        textBoxPasswordConfirm.UseSystemPasswordChar = false;
        textBoxPasswordConfirm.ForeColor = Color.Gray;
    }
}
```

79

Ссылка: 1

```
private void labelClose_Click(object sender, EventArgs e)
{
    this.Close();
}
```

Ссылка: 1

```
private void labelClose_MouseEnter(object sender, EventArgs e)
{
    labelClose.ForeColor = Color.Black;
}
```

Ссылка: 1

```
private void labelClose_MouseLeave(object sender, EventArgs e)
{
    labelClose.ForeColor = Color.White;
}
```

80

FormBorderStyle	None	▼
-----------------	------	---

81

×

CREATE YOUR ACCOUNT

first name

last name

email address


username


● ●


confirm password


CREATE ACCOUNT

82


 [Печать](#)

 [Переместить поля](#)

 [Нормировать](#)

 Добавить

поле(я)



Вперёд

83

Структура ⓘ

Имя	Тип ⓘ	Длина/Значения ⓘ	По умолчанию ⓘ	Сравнение	Атрибуты	Null	Инд
firstname	VARCHAR	100	Нет			<input type="checkbox"/>	---
lastname	VARCHAR	100	Нет			<input type="checkbox"/>	---
emailaddress	TEXT		Нет			<input type="checkbox"/>	---

☐ Online transaction ⓘ Предпросмотр SQL Сохранить

84

```
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;
```

85

```
private void buttonCreateAccount_Click(object sender, EventArgs e)
{
    DB db = new DB();
    MySqlCommand command = new MySqlCommand("INSERT INTO 'users' ('firstname', 'lastname', 'emailaddress', 'username', 'password') VALUES (@fn, @ln, @email, @usn, @pass)", db.getConnection());

    command.Parameters.Add("@fn", MySqlDbType.VarChar).Value = textBoxFirstName.Text;
    command.Parameters.Add("@ln", MySqlDbType.VarChar).Value = textBoxLastName.Text;
    command.Parameters.Add("@email", MySqlDbType.VarChar).Value = textBoxEmail.Text;
    command.Parameters.Add("@usn", MySqlDbType.VarChar).Value = textBoxUsername.Text;
    command.Parameters.Add("@pass", MySqlDbType.VarChar).Value = textBoxPassword.Text;

    db.openConnection();

    if (command.ExecuteNonQuery() == 1)
    {
        MessageBox.Show("ACCOUNT CREATED");
    }
    else
    {
        MessageBox.Show("ERROR");
    }

    db.closeConnection();
}
```

86

×

CREATE YOUR ACCOUNT

fn

ln

email

usen

●●●●







●●●●

CREATE ACCOUNT

ACCOUNT CREATED

OK

87

	<u>id</u>	<u>firstname</u>	<u>lastname</u>	<u>emailaddress</u>	<u>username</u>	<u>password</u>
<input type="checkbox"/>   	1				user1	pass
<input type="checkbox"/>   	2	fn	ln	email	usen	pass

88

```

C:\Users\0
public Boolean checkUsername()
{
    DB db = new DB();

    String username = textBoxUsername.Text;

    DataTable table = new DataTable();

    MySqlDataAdapter adapter = new MySqlDataAdapter();

    MySqlCommand command = new MySqlCommand("SELECT * FROM `users` WHERE `username` = @usn", db.getConnection());

    command.Parameters.Add("@usn", MySqlDbType.VarChar).Value = username;

    adapter.SelectCommand = command;
    adapter.Fill(table);

    if (table.Rows.Count > 0)
    {
        return true;
    }
    else
    {
        return false;
    }
}

```

89

```

if(checkUsername())
{
    MessageBox.Show("This Username already exists, Select a different One");
}
else
{
    if (command.ExecuteNonQuery() == 1)
    {
        MessageBox.Show("ACCOUNT CREATED");
    }
    else
    {
        MessageBox.Show("ERROR");
    }
}
}

```

90

LESSON: 0

```
public Boolean checkTextBoxesValues()
{
    string fname = textBoxFirstName.Text;
    string lname = textBoxLastName.Text;
    string email = textBoxEmail.Text;
    string uname = textBoxUsername.Text;
    string pass = textBoxPassword.Text;

    if(fname.Equals("first name") || lname.Equals("last name") ||
        email.Equals("email address") || uname.Equals("username")
        || pass.Equals("password"))
    {
        return true;
    }
    else
    {
        return false;
    }
}
```

×

CREATE YOUR ACCOUNT

aaa

aaaaaa

aaaa

user1

This Username already exists, Select a different One

×

OK

●●●●

●●●●●●

CREATE ACCOUNT

×

CREATE YOUR ACCOUNT

×

ACCOUNT CREATED

OK

CREATE ACCOUNT

93

		<u>id</u>	<u>firstname</u>	<u>lastname</u>	<u>emailaddress</u>	<u>username</u>	<u>password</u>
<input type="checkbox"/>		1				user1	pass
<input type="checkbox"/>		2	fn	ln	email	usen	pass
<input type="checkbox"/>		5	dddddd	dd	ddd	user3	22

94

```
if(!checkTextBoxesValues())
{
    if (checkUsername())
    {
        MessageBox.Show("This Username already exists, Select a different One");
    }
    else
    {
        if (command.ExecuteNonQuery() == 1)
        {
            MessageBox.Show("ACCOUNT CREATED");
        }
        else
        {
            MessageBox.Show("ERROR");
        }
    }
}
else
{
    MessageBox.Show("ENTER YOUR INFORMATION FIRST");
}
```

X

CREATE YOUR ACCOUNT

first name

last name

email address

username

password

confirm password

CREATE ACCOUNT

X

ENTER YOUR INFORMATION FIRST

OK

```
if(!checkTextBoxesValues())
{
    if(textBoxPassword.Text.Equals(textBoxPasswordConfirm.Text))
    {
        if (checkUsername())
        {
            MessageBox.Show("This Username already exists, Select a different One");
        }
        else
        {
            if (command.ExecuteNonQuery() == 1)
            {
                MessageBox.Show("ACCOUNT CREATED");
            }
            else
            {
                MessageBox.Show("ERROR");
            }
        }
    }
    else
    {
        MessageBox.Show("WRONG CONFIRM PASSWORD");
    }
}
```


×

CREATE YOUR ACCOUNT

esf

sesese

svsdvdf

trtrtr

•

•

CREATE ACCOUNT

×

WRONG CONFIRM PASSWORD

OK

esf

sesese

svsdvdf

trtrtr

•

•

CREATE ACCOUNT

ACCOUNT CREATED

OK

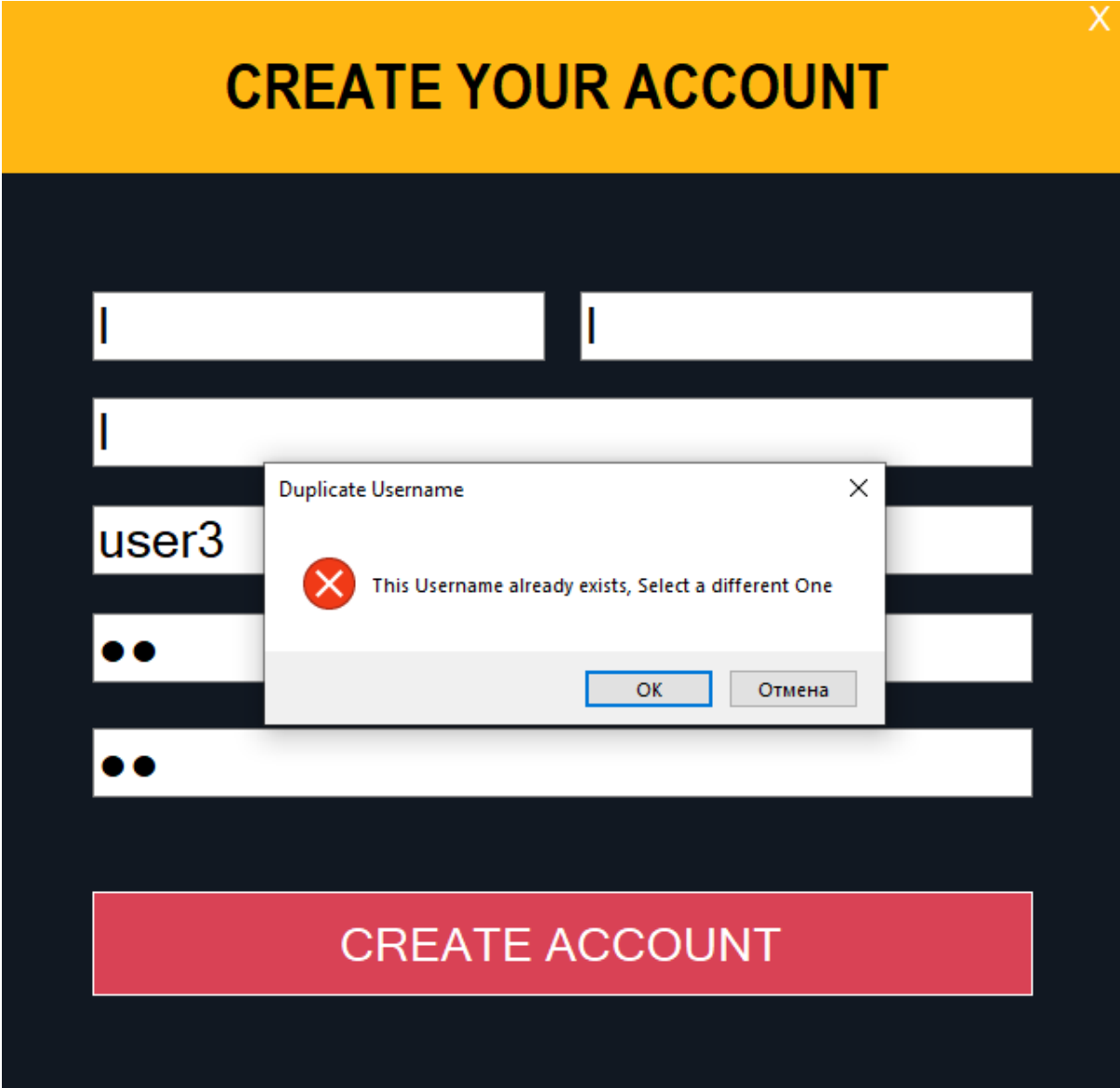
99

```

if(!checkTextBoxesValues())
{
    if(textBoxPassword.Text.Equals(textBoxPasswordConfirm.Text))
    {
        if (checkUsername())
        {
            MessageBox.Show("This Username already exists, Select a different One", "Duplicate Username", MessageBoxButtons.OKCancel, MessageBoxIcon.Error);
        }
        else
        {
            if (command.ExecuteNonQuery() == 1)
            {
                MessageBox.Show("Your Account Has Been Created", "Account", MessageBoxButtons.OK, MessageBoxIcon.Information);
            }
            else
            {
                MessageBox.Show("ERROR");
            }
        }
    }
    else
    {
        MessageBox.Show("WRONG CONFIRM PASSWORD");
    }
}
}

```

100



102

103

×

CREATE YOUR ACCOUNT

d

W

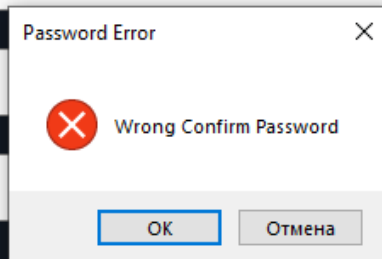
W

W

•

•

CREATE ACCOUNT



104

```
else
{
    MessageBox.Show("Enter Your Informations First", "Empty Data", MessageBoxButtons.OKCancel, MessageBoxIcon.Error);
}
```

105

×

CREATE YOUR ACCOUNT

first name

last name

email address

username

password

confirm password

CREATE ACCOUNT

Empty Data

×

×

Enter Your Informations First

OK

Отмена

```

C# - Console: 1
private void buttonLogin_Click(object sender, EventArgs e)
{
    DB db = new DB();
    String username = textBoxUserName.Text;
    String password = textBoxPassword.Text;

    DataTable table = new DataTable();

    MySqlDataAdapter adapter = new MySqlDataAdapter();

    MySqlCommand command = new MySqlCommand("SELECT * FROM 'users' WHERE 'username' = @usn and 'password' = @pass", db.getConnection());

    command.Parameters.Add("@usn", MySqlDbType.VarChar).Value = username;
    command.Parameters.Add("@pass", MySqlDbType.VarChar).Value = password;

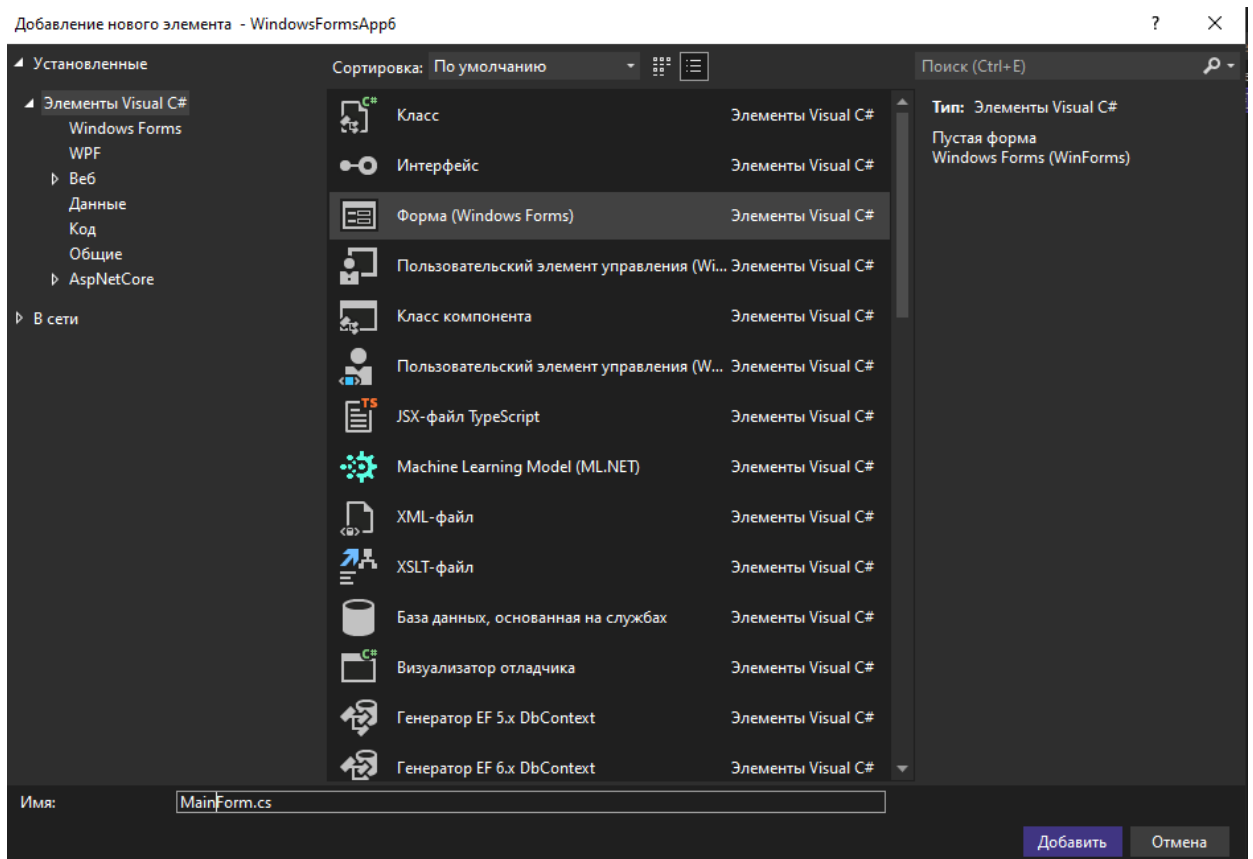
    adapter.SelectCommand = command;
    adapter.Fill(table);

    if(table.Rows.Count > 0)
    {
        MessageBox.Show("YES");
    }
    else
    {
        if (username.Trim().Equals(""))
        {
            MessageBox.Show("Enter Ypour Username To Login", "Empty Username", MessageBoxButtons.OK, MessageBoxIcon.Error);
        }

        else if (password.Trim().Equals(""))
        {
            MessageBox.Show("Enter Ypour Password To Login", "Empty Password", MessageBoxButtons.OK, MessageBoxIcon.Error);
        }
        else
        {
            MessageBox.Show("Wrong Username Or Password", "Wrong Data", MessageBoxButtons.OK, MessageBoxIcon.Error);
        }
    }
}

```

107



108

MainForm

CREATE YOUR ACCOUNT

first name last name

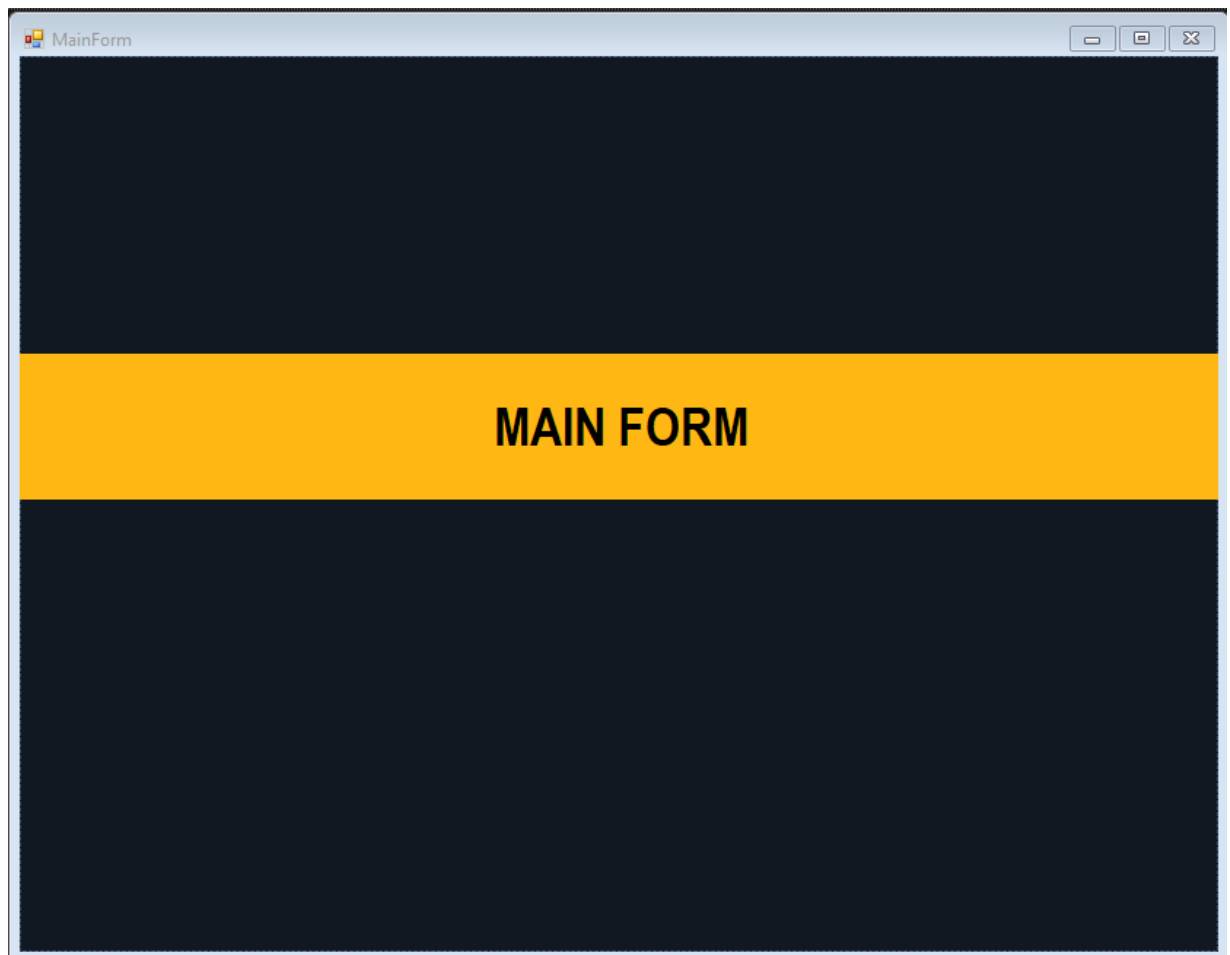
email address

username

password

confirm password

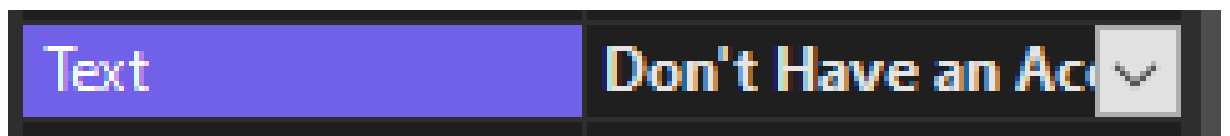
CREATE ACCOUNT



110




111




112

X

USER LOGIN





LOGIN

[Don't Have an Account? Sign Up](#)

113

```
Example 1
private void labelGoSingUp_Click(object sender, EventArgs e)
{
    this.Hide();
    RegisterForm registerform = new RegisterForm();
    registerform.Show();
}
```

114

Ссылка: 0

```
static void Main()
{
    Application.EnableVisualStyles();
    Application.SetCompatibleTextRenderingDefault(false);
    Application.Run(new LoginForm());
}
```

115

```
private void labelClose_Click(object sender, EventArgs e)
{
    //this.Close();
    Application.Exit();
}
```

116



117

Ссылка: 1

```
private void labelGoSingUp_MouseEnter(object sender, EventArgs e)
{
    labelGoSingUp.ForeColor = Color.Yellow;
}
```

Ссылка: 1

```
private void labelGoSingUp_MouseLeave(object sender, EventArgs e)
{
    labelGoSingUp.ForeColor = Color.White;
}
```

118

Шрифт

✕

Шрифт:

Начертание:

Размер:

OK

Отмена

Microsoft Sans Serif

Microsoft Sans Serif

Microsoft Tai Le

Microsoft Uighur

Microsoft YaHei

Microsoft YaHei UI

обычный

обычный

наклонный

полужирный

полужирный

8

8

9

10

11

12

14

16

Видоизменение

☐ Зачеркнутый

☒ Подчеркнутый

Образец

АаВвБбФф

Набор символов:

Кириллица

X

CREATE YOUR ACCOUNT

first name

last name

email address

username

password

confirm password

CREATE ACCOUNT

[Already Have an Account? Login](#)

120

(Email Address)	
(Name)	labelGoToLogin

121

```

Ссылка: 1
private void labelGoToLogin_MouseEnter(object sender, EventArgs e)
{
    labelGoToLogin.ForeColor = Color.Yellow;
}

```

```

Ссылка: 1
private void labelGoToLogin_MouseLeave(object sender, EventArgs e)
{
    labelGoToLogin.ForeColor = Color.White;
}

```

122

```

private void labelGoToLogin_Click(object sender, EventArgs e)
{
    this.Hide();
    LoginForm loginform = new LoginForm();
    loginform.ShowDialog();
}

```

123

```

Ссылка: 1
private void labelClose_Click(object sender, EventArgs e)
{
    //this.Close();
    Application.Exit();
}

```

124

```

if(table.Rows.Count > 0)
{
    this.Hide();
    MainForm mainform = new MainForm();
    mainform.Show();
}
else

```

125

```

Ссылка: 1
private void MainForm_FormClosing(object sender, FormClosingEventArgs e)
{
    Application.Exit();
}

```

```
else if (password.Trim().Equals(""))  
{  
    MessageBox.Show("Enter Your Password To Login", "Empty Password", MessageBoxButtons.OK, MessageBoxIcon.Error);  
}
```