



ERASMUS+

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Protecting information using ASP.NET means

Laboratory

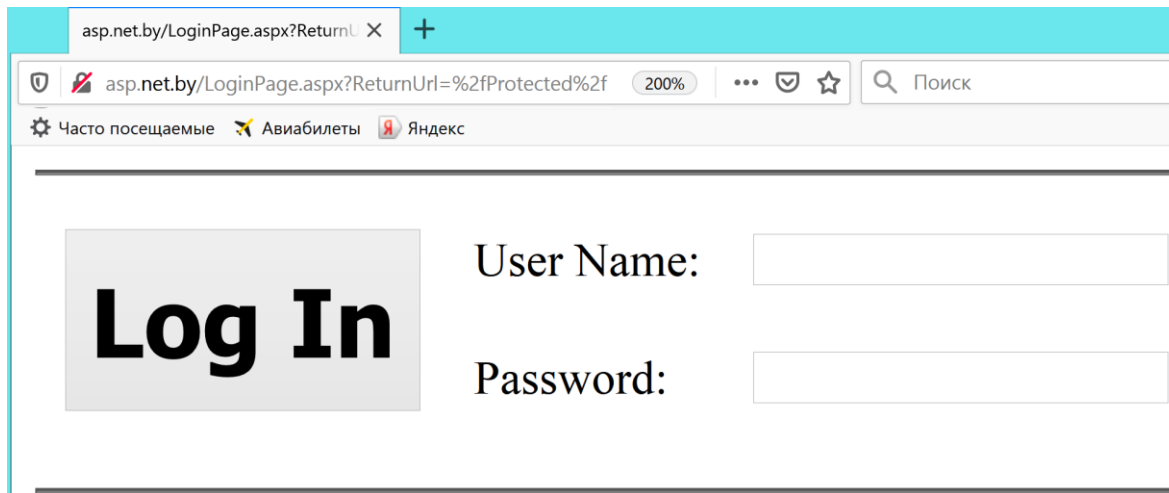
The purpose of work: To learn how to authenticate and authorize using forms.

Task: Create an authentication system for your site using forms.

The [Log In] button should be on the right, and the password page should appear when you click it

When you enter the correct password, the page opens in a protected folder, from which you can, for example, edit the table or perform other administrator functions.

Make the same protected page on your site as follows:



The screenshot shows a web browser window with a light blue header. The address bar displays the URL `asp.net.by/LoginPage.aspx?ReturnUrl=%2fProtected%2f` with a 200% zoom level. Below the address bar, there are search engines: 'Часто посещаемые', 'Авиабилеты', and 'Яндекс'. The main content area features a login form with a grey button labeled 'Log In' and two input fields: 'User Name:' and 'Password:'.

Log In	User Name:	
	Password:	

The screenshot shows a web browser window with the address bar displaying `asp.net.by/LoginPage.aspx?ReturnUrl=%2fProtected%2f`. The page content includes a large grey button labeled **Log In**. To the right of the button are two input fields:
User Name:
Password: (The password is masked with dots in the input field).

Example: <http://asp.net.by/Protected/>

Steps:

1) In the protected Account folder, create
Web.config

```
<configuration>  
  <system.web>  
    <authorization>  
      <deny users="?" />  
    </authorization>  
  </system.web>  
</configuration>
```

2) **Web.config** in the root folder create the following entries:

```
<configuration>
  <system.web>
    <authentication mode="Forms">
      <forms loginUrl="LoginPage.aspx">
        <credentials passwordFormat="Clear">
          <user name="Andrey" password="651652"/>
          <user name="Andy" password="651"/>
        </credentials>
      </forms>
    </authentication>
    <compilation debug="true" targetFramework="4.0"/>
  </system.web>
</configuration>
```

3) Create a **LoginPage.aspx** file in the root folder

```
<html>
```

```
<body>
```

```
<form runat="server">
```

```
<asp:Button Text="Log In"
```

```
OnClick="OnLogIn" RunAt="server" />
```



User Name:

User Name:

```
<asp:TextBox ID="UserName" RunAt="server" />
```

```
<font color="red">
```

<= Invalid login

```
<asp:Label ID="_Login" RunAt="server" />
</asp:Label>
</font>
<font color="red">                                     <= Invalid password
  <asp:Label ID="_or" runat="server" Text="">
  </asp:Label> </font>
```

Password:

Password:

```
<asp:TextBox ID="Password" TextMode="password"
  RunAt="server" />
<asp:Label ID="_Password" runat="server"
```

```
Text="" ForeColor="Red"></asp:Label>
```

```
</form>
```

A rectangular button with a light gray gradient and a thin black border. The text "Log In" is centered on the button in a bold, black, sans-serif font.

4) On the button, connect the following code:

```
<script language="C#" runat="server">  
    void OnLogIn (Object sender, EventArgs e)  
    {  
        if (FormsAuthentication.Authenticate  
            (UserName.Text, Password.Text))  
            FormsAuthentication.RedirectFromLoginPage  
                (UserName.Text, false);  
    }  
</script>
```

```
else
{
    I_Login.Text = "<= Invalid login";
    I_or.Text="or";
    I_Password.Text="<= Invalid password";
}
}
</script>
```

4) Run Project