1. Aplicatie Web: MASTER Page+Content page, Meniu, Autentificare (VS 2019)



Fig. 1.a Continue without code ->



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Fig. 1.c ASP.NET Web Application (Next)

Fig. 1.d Create



Fig. 2.a Web Forms + Authentication (Individual User Accounts)

Locatie stocare cod VS 2019:

C:\Users\<mark>Nume_user</mark>\source\repos\<mark>Nume_solutie</mark>

Fig. 2.b Click Site.Master (in Solution Explorer)

Locatie stocare cod VS 2015: C:\Users\<u>Nume_user</u>\Documents\Visual Studio 2015\...

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Fig. 3 Pagina Site.Master (mod Design) + 3 pagini Content (Default.aspx, About.aspx, Contact.aspx)

Fig. 4 In Toolbox -> Menu



Fig. 5 Drag and Drop object Menu in primul DIV al paginii Site.master (in banda neagra, dupa Application Name)!!! – vezi si cod mai jos

Fig. 6 Edit Menu Items...

Application name <asp:Menu ID="Menu1" runat="server">

</asp:Menu>

. . .

(se poate muta codul asp al meniului Menu1 si manual, direct in codul Source)



Fig. 7 Creare optiuni meniu (utilizare in nume optiuni meniu pentru spatiere)

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Fig. 8 NavigateUrl:- legare optiuni mediu de Pagini Content



Fig. 9 Orientation : Horizontal

Fig. 10 Cod nou generat - pentru MENIU NOU (inclusiv cu pentru spatiere optiuni meniu)



Fig. 11 Stergere cod MENIU vechi (LISTA , ancora Application Name) [sau comentarea lui]



Fig. 12.a Formatare MENU – effect (BackColor, BordeColor, BorderWidth, Font, Height, DinamicHoverStyle, DynamicMenuStyle,...)



Fig. 12.b Formatare MENU (Properties -> Font...)

Meniu (Running) - Microsoft Visual Studio (Administrator) File Edit View Website Build Debug Team Format Tools Architecture Test Analyze Window Help • • • • • • • • • • • • • • •	Quick Launch (Ctrl+Q) P B Sign in Sign in Image: Sign in the second seco
Site.master # X Default.aspx 42 Dis="container"> 43 Default.aspx 44 Ebutton type="button" class="navbar-toggle" data-toggle="collapse" data-target=".navbar-collapse"> 45 46 47 48 //button 49 >Application name\$> 49 >Application name\$> 50 Easp:Menu ID="MenuI" runat="server" orientation="Horizontal" BackColor="Wellow" BorderColor="Red" BorderStyle="Double" Font-Bo 51 <a backcolor="Wellow" borderstyle="Double" class="inavbar-brand" font-bo<="" orientation="Horizontal" runat="server" td=""> 52 <dynanicmenustyle backcolor="#99FF33" bordercolor="Yellow" borderstyle="Double" font-bo<="" td=""> 52 <dynanicmenustyle backcolor="#99FF33" bordercolor="Yellow" borderstyle="Solid"></dynanicmenustyle> 53 < <items> 54 55 <a sp:MenuItem NavigateUrl="~/Default.aspx" Text="UNU & &</td><td>v H. ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓</td></items></dynanicmenustyle>	v H. ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓
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Fig. 12.c Exemplu cod generat la formatare meniu din fereastra Properties



2. Adaugare pagina noua Content:





Fig.15. Legare pagina noua (Default2.aspx sau *WebForm1.aspx*) la optiune MENU – Edit Menu Items... -> NavigationURL



Fig.17. Pagina Start aplicatie Web

Observatie: In VS 2015 denumirea implicita a unei noi pagini Content este *Default2.aspx, Default3.aspx, ...*

In VS 2019 denumirea implicita a unei noi pagini Content este WebForm1.aspx,

WebForm2.aspx, ... Pentru a putea utiliza codul de fata (valabil pt. VS 2015, se poate face un **Rename** din Solution Explorer).

3. AUTENTIFICARE

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	ي. 10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -		-10-
Fig.18. Autentificare	LAND HAND	Fig.19. Inregistrare user nou (User name sau Email)

Fig.18. Autentificare



Fig.20. Solution Explorer: Stocare useri in: App_Data ... (practic o baza de date)

- Fisiere sursa aspx pentru autentificare -> in directorul Account

Obs:

- Momentan autentificarea NU securizeaza nici o pagina! Pentru securizarea unei pagini (in fisier cu extensia .cs aferenta paginii de continut - NU MASTER!-):

```
protected void Page_Load(object sender, EventArgs e)
    {
        if (User.Identity.IsAuthenticated == false)
        ł
            Server.Transfer("Account/Login.aspx");
        }
    }
```

- Daca se doreste securizarea intregului site, se procedeaza similar pentru fiecare pagina CONTENT!

4. Autentificare (protectie cu parola) folosind SESSION



WebForm1.aspx



Variabila de tip *Application*: **Application**[] – valabilitate la nivel de **aplicatie** (putand fi mai multe sesiuni distincte care partajeaza simultan o aceeasi variabila).

- afisare nr. sessiuni-user-distincte deschise ale aplicatiei:

```
protected void Page_Load(object sender, EventArgs e)
{
    if (Application["nr"] == null)
    {
        Application["nr"] = 1;
    }
    else
    {
        Application["nr"] = (int)Application["nr"] + 1;
    }
    Label1.Text = Application["nr"].ToString();
}
```