Mini projet : Site de Gestion Commerciale

Compte Rendue

Git Hub repository
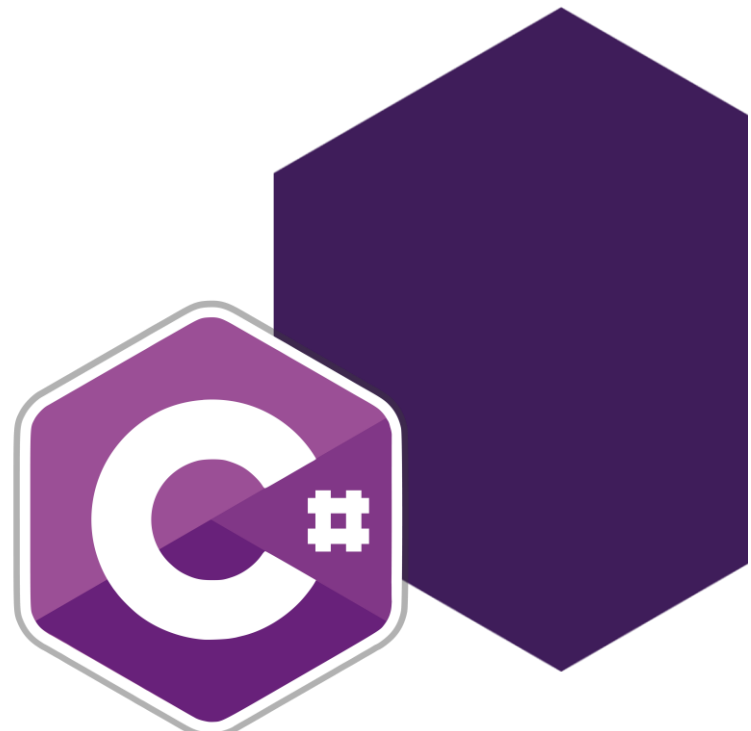
Video Demo

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Enoncé :

L'objectif de ce travail est de réaliser un site de gestion commerciale incluant les éléments suivants :

- · **Catégories,**
- · **Articles,**
- · **Commandes**

Pour chaque élément, il faut prévoir la prise en charge de toutes les opérations CRUD.

Définition :

ASP.NET est un Framework permettant de générer à la demande des pages web, lancé par Microsoft en juillet 2000, et utilisé pour mettre en œuvre des applications web. Il s'agit d'une évolution d'Active Server Pages (ASP, alias Classic ASP), par laquelle cette technique a été incorporée dans la plateforme Microsoft .NET.

Le moteur d'ASP.NET est un filtre branché sur le serveur web Internet Information Services (IIS). Il est distribué avec le Framework .NET. ASP.NET peut être utilisé avec n'importe quel langage de programmation pour la plateforme .NET (Visual Basic .NET, C#, JScript4…).

1. La Base de données :

Pour la basse de donnée on a proposé ces tables (Clients, Admins, Articles, Commandes)

Avec deux relations Forgien key dans la table Commandes (Client_id, Article_id), voici le mapping de notre base de données expliquant les relations :
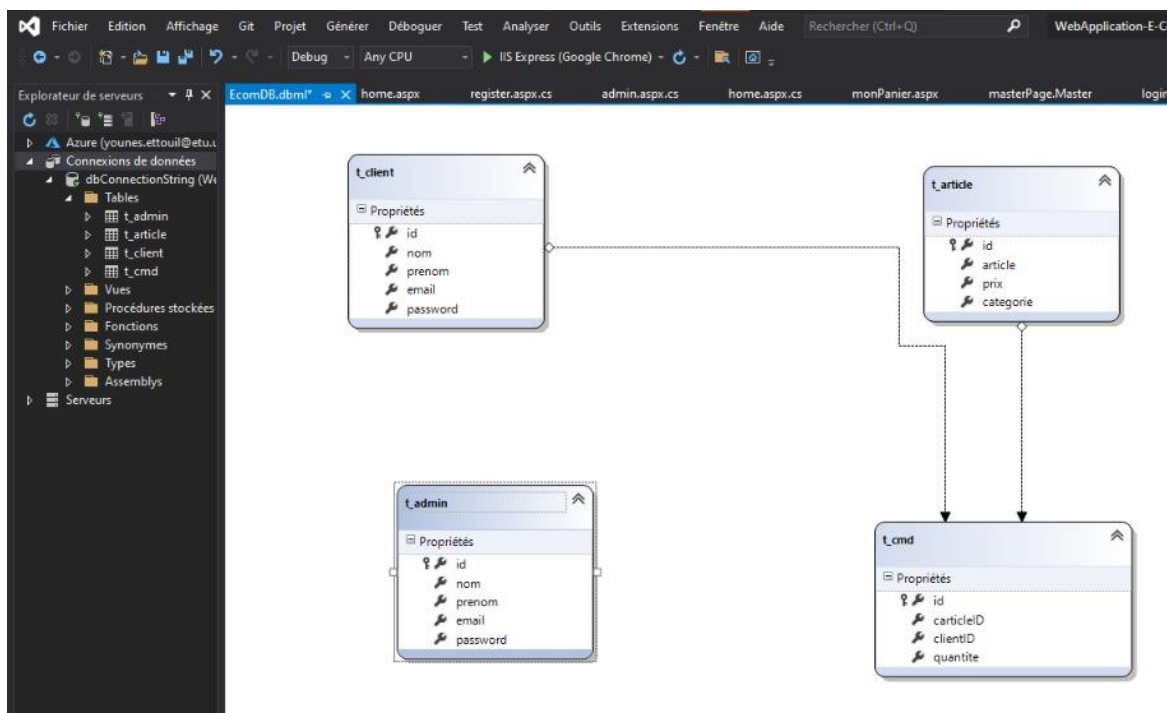
2. Page Authentification :

Pour se connecter à notre site web on a réalisé cette page pour s'authentifier pour l'admin et les clients :

Le code exécuté pour l'authentification avec C# est :

```csharp
using System;
using System.Collections.Generic;
using System.Linq;
using System.Security.Cryptography;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

namespace WebApplication_E_Commerce_Projet
{
    public partial class WebForm3 : System.Web.UI.Page
    {
        DataClasses1DataContext dc = new DataClasses1DataContext();
        protected void Page_Load(object sender, EventArgs e)
        {

        }
        private string GetHashedText(string inputData)
        {
            byte[] tmpSource;
            byte[] tmpData;
            tmpSource = System.Text.ASCIIEncoding.ASCII.GetBytes(inputData);
            tmpData = new MD5CryptoServiceProvider().ComputeHash(tmpSource);
            return Convert.ToBase64String(tmpData);
        }

        protected void Button1_Click(object sender, EventArgs e)
        {
            t_admin[] admins = dc.t_admin.ToArray();
            t_client[] clients = dc.t_client.ToArray();
            Boolean conn = false;
```

```
            for (int i = 0; i < admins.Length; i++)
            {

                if (TextEmail.Text == admins[i].email && TextPswd.Text == admins[i].pswd)
                {
                    conn = true;
                    Session["id"] = admins[i].id;
                    Session["email"] = admins[i].email;
                    Response.Redirect("admin.aspx");

                }
            }
            for (int i = 0; i < clients.Length; i++)
            {

                if (TextEmail.Text == clients[i].email && GetHashedText(TextPswd.Text) ==
clients[i].pswd)
                {
                    conn = true;
                    Session["id_client"] = clients[i].id;
                    Session["username"] = clients[i].username;
                    Response.Redirect("home.aspx");

                }
            }

            if (!conn)
            {
                Labelmsg.Text = "email ou password incorrect !!!";
            }
        }
    }
```

3. } Page S'inscrire :

View :

LSI-Commerce   Home   Login   ABOUT US   Search   Search

Register!

UserName

email

password

password-Confirmation

REGISTER

déja client !

Sign up for our newsletter   [   ]   Subscribe
                              Email address

Code C# :

```csharp
using System;
using System.Collections.Generic;
using System.Linq;
using System.Security.Cryptography;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

namespace WebApplication_E_Commerce_Projet
{
    public partial class WebForm4 : System.Web.UI.Page
    {
        DataClasses1DataContext dc = new DataClasses1DataContext();
        protected void Page_Load(object sender, EventArgs e)
        {

        }

        protected void Button1_Click(object sender, EventArgs e)
        {
            try
            {
                String usnm = TextBoxUsnm.Text;
                String email = TextEmail.Text;

                String passwd = GetHashedText(TextPswd.Text);

                var cl = new t_client
                {
                    username = usnm,
                    email = email,
                    pswd = passwd,
                };
                dc.t_client.InsertOnSubmit(cl);
                dc.SubmitChanges();
                clearTB();
                ScriptManager.RegisterStartupScript(this, this.GetType(), "script", "alert('registre
Succesfully Welcom"+usnm+" ')", true);

            }
            catch (Exception ex)
            {
                ScriptManager.RegisterStartupScript(this, this.GetType(), "script", "alert('" +
ex.Message.ToString() + "')", true);
            }
        }

        private void clearTB()
        {
            TextBoxUsnm.Text = "";
            TextEmail.Text = "";
            TextPswd.Text = "";
            TextBoxpswd2.Text = "";
        }

        private string GetHashedText(string inputData)
        {
            byte[] tmpSource;
            byte[] tmpData;
            tmpSource = System.Text.ASCIIEncoding.ASCII.GetBytes(inputData);
            tmpData = new MD5CryptoServiceProvider().ComputeHash(tmpSource);
            return Convert.ToBase64String(tmpData);
        }
    }
}
```
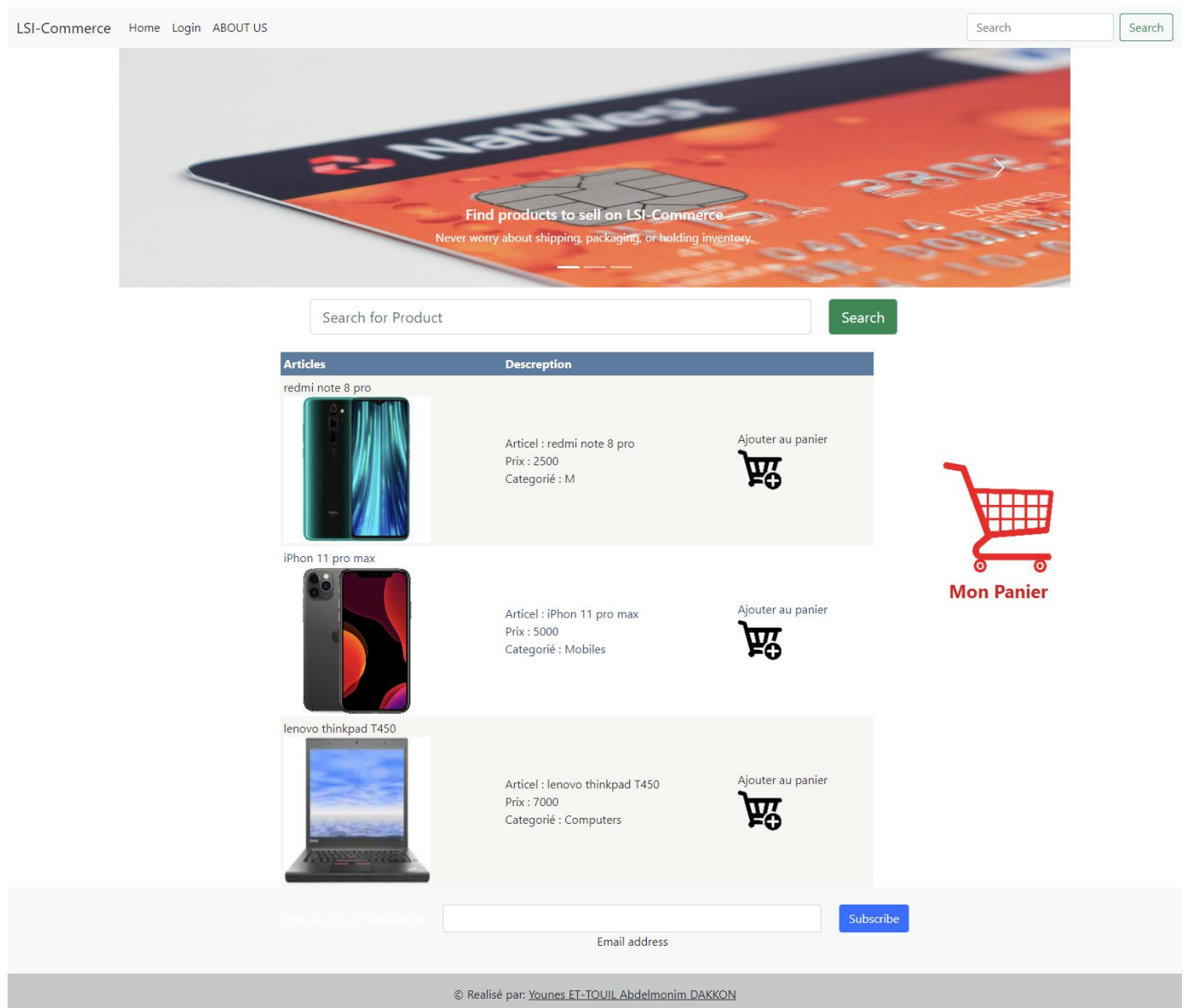
4. Page home :

View :

Code C# :

```csharp
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

namespace WebApplication_E_Commerce_Projet
{
    public partial class WebForm1 : System.Web.UI.Page
    {
        DataClasses1DataContext dc = new DataClasses1DataContext();
        protected void Page_Load(object sender, EventArgs e)
        {
            if (!IsPostBack)
            {
                loafingArticles();
            }
```

```csharp
        }
        void loafingArticles()
        {
            GrvHome.DataSource = dc.t_article.ToList();
            GrvHome.DataBind();
        }

        protected void GridView1_SelectedIndexChanged(object sender, EventArgs e)
        {

        }
        protected void GrvHome_RowCommand(object sender, GridViewCommandEventArgs e)

        {
            /*int idc = Convert.ToInt32(GrvHome.DataKeys[e.RowIndex].Value.ToString());*/
            if (e.CommandName.Equals("add"))
            {
                ScriptManager.RegisterStartupScript(this, this.GetType(), "script", "alert('click
me')", true);
            }

        }

        protected void GrvHome_RowEditing(object sender, GridViewEditEventArgs e)
        {
            GrvHome.EditIndex = e.NewEditIndex;

        }
        protected void GrvHome_RowDeleting(object sender, GridViewDeleteEventArgs e)
        {
            int id_Article = Convert.ToInt32(GrvHome.DataKeys[e.RowIndex].Value.ToString());

            ajouterCommand(id_Article);
            ScriptManager.RegisterStartupScript(this, this.GetType(), "script", "alert('" +
id_Article + "')", true);
        }

        private void ajouterCommand(int id_Article)
        {
            var id_c = Session["id_client"];

            if (id_c != null)
            {
                var artic = new t_cmd
                {
                    articleID = id_Article,

                    clientID = (int)id_c
                };
                dc.t_cmd.InsertOnSubmit(artic);
                dc.SubmitChanges();
                ScriptManager.RegisterStartupScript(this, this.GetType(), "script", "alert('Ajouter
au panier avec succès')", true);

            }
            else
            {
                Response.Redirect("login.aspx");
            }

        }
        protected void Unnamed1_Click(object sender, ImageClickEventArgs e){}
        protected void Unnamed1_Click1(object sender, ImageClickEventArgs e)
        {
            if (Session["id_client"] != null)
            {
                Response.Redirect("monPanier.aspx");
            }
```

```
            else
            {
                Response.Redirect("login.aspx");
            }
        }
    }
}
```

5. Page Admin (Gestion Articles & Gestion Clients) :

View :

Code C# :

```csharp
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

namespace WebApplication_E_Commerce_Projet
{
    public partial class WebForm2 : System.Web.UI.Page
    {
        DataClasses1DataContext dc = new DataClasses1DataContext();
        protected void Page_Load(object sender, EventArgs e)
        {
            if (!IsPostBack)
```

```csharp
        {
            loadarticle();
            LoadClient();
        }
    }

    private void LoadClient()
    {
        GridViewC.DataSource = dc.t_client.ToList();
        GridViewC.DataBind();
    }

    protected void grd_SelectedIndexChanged(object sender, EventArgs e)
    {

    }
    protected void Button1_Click(object sender, EventArgs e)
    {
        try
        {


            String articlee = TextBoxArt.Text;
            String cat = TextBoxCat.Text;
            String img = TextBoxImg.Text;
            float price = float.Parse(TextBoxPrix.Text);

            var artic = new t_article
            {
                article = articlee,
                prix = price,
                categ = cat,
                imgURL = img
            };
            dc.t_article.InsertOnSubmit(artic);
            dc.SubmitChanges();
            clearTB();
            /*ScriptManager.RegisterStartupScript(this, this.GetType(), "script",
"alert('succesfully inserted')", true);
            */
            loadarticle();
        }
        catch (Exception ex)
        {
            ScriptManager.RegisterStartupScript(this, this.GetType(), "script", "alert('" +
ex.Message.ToString() + "')", true);
        }
    }

    void loadarticle()
    {
        grd.DataSource = dc.t_article.ToList();
        grd.DataBind();
    }
    void clearTB()
    {
        TextBoxArt.Text = "";
        TextBoxPrix.Text = "";
        TextBoxCat.Text = "";
        TextBoxImg.Text = "";

    }

    protected void ButtonUPDT_Click(object sender, EventArgs e)
    {

    }
```

```csharp
        protected void grd_RowCommand(object sender, GridViewCommandEventArgs e)
        {
            if (e.CommandName.Equals("add"))
            {
                try
                {


                    String articlee = (grd.FooterRow.FindControl("txtArticlefooter") as
TextBox).Text;
                    String cat = (grd.FooterRow.FindControl("txtCategfooter") as TextBox).Text;
                    String img = (grd.FooterRow.FindControl("txtimgfooter") as TextBox).Text;
                    float price = float.Parse((grd.FooterRow.FindControl("txtPrixfooter") as
TextBox).Text);

                    var artic = new t_article
                    {
                        article = articlee,
                        prix = price,
                        categ = cat,
                        imgURL = img
                    };
                    dc.t_article.InsertOnSubmit(artic);
                    dc.SubmitChanges();
                    clearTB();
                    /*ScriptManager.RegisterStartupScript(this, this.GetType(), "script",
"alert('succesfully inserted')", true);
                    */
                    loadarticle();
                }
                catch (Exception ex)
                {
                    ScriptManager.RegisterStartupScript(this, this.GetType(), "script", "alert('" +
ex.Message.ToString() + "')", true);
                }
            }

            else if (e.CommandName.Equals("save"))
            {

                grd.EditIndex = -1;
                loadarticle();

            }



        }

        protected void grd_RowEditing(object sender, GridViewEditEventArgs e)
        {
            grd.EditIndex = e.NewEditIndex;
            loadarticle();

        }

        protected void grd_RowCancelingEdit(object sender, GridViewCancelEditEventArgs e)
        {
            try
            {

                int idc = Convert.ToInt32(grd.DataKeys[e.RowIndex].Value.ToString());
                String articlee = (grd.Rows[e.RowIndex].FindControl("txtArticle") as TextBox).Text;
                String cat = (grd.Rows[e.RowIndex].FindControl("txtCateg") as TextBox).Text;
                String img = (grd.Rows[e.RowIndex].FindControl("txtimg") as TextBox).Text;
                float price = float.Parse((grd.Rows[e.RowIndex].FindControl("txtPrix") as
TextBox).Text);
```

```csharp
                var stu = (from s in dc.t_article where s.id == idc select s).First();
                stu.article = articlee;
                stu.prix = price;
                stu.categ = cat;
                stu.imgURL = img;
                dc.SubmitChanges();
                grd.EditIndex = -1;
                loadarticle();

            }
            catch (Exception ex)
            {
                ScriptManager.RegisterStartupScript(this, this.GetType(), "script", "alert('" +
ex.Message.ToString() + "')", true);
            }
        }

        protected void grd_RowUpdating(object sender, GridViewUpdateEventArgs e)
        {



        }

        protected void grd_RowDeleting(object sender, GridViewDeleteEventArgs e)
        {
            try
            {

                int idc = Convert.ToInt32(grd.DataKeys[e.RowIndex].Value.ToString());


                var stu = (from s in dc.t_article where s.id == idc select s).First();

                dc.t_article.DeleteOnSubmit(stu);
                dc.SubmitChanges();

                loadarticle();

            }
            catch (Exception ex)
            {
                ScriptManager.RegisterStartupScript(this, this.GetType(), "script", "alert('" +
ex.Message.ToString() + "')", true);
            }
        }

        protected void Button2_Click(object sender, EventArgs e)
        {
            Response.Redirect("HomePage.aspx");
        }

        protected void GridViewC_SelectedIndexChanged(object sender, EventArgs e){}
    }
}
```

6. Page Mon Panier :

View :

Code C# :

```csharp
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

namespace WebApplication_E_Commerce_Projet
{
    public partial class WebForm5 : System.Web.UI.Page
    {
        DataClasses1DataContext dc = new DataClasses1DataContext();
        protected void Page_Load(object sender, EventArgs e)
        {
            if (!IsPostBack)
            {
                LoadPanier();
            }
        }
        private void LoadPanier()
        {
            t_article[] cmds = dc.t_article.ToArray();
            var cm = (from s in dc.t_cmd where s.clientID == (int)Session["id_client"] select
s.articleID).ToArray();
            object[] tab = new object[cm.Length];

            for (int i = 0; i < cm.Length; i++)
            {
                for (int j = 0; j < cmds.Length; j++)
                {
                    if (cmds[j].id == cm[i])
```

```
                {
                    tab[i] = cmds[j];

                }
            }
        }

        grd.DataSource = tab;
        grd.DataBind();
    }

    protected void grd_SelectedIndexChanged(object sender, EventArgs e)
    {

    }

    protected void GridView1_SelectedIndexChanged(object sender, EventArgs e)
    {

    }

    protected void grd_RowCommand(object sender, GridViewCommandEventArgs e)
    {

    }

    protected void grd_RowEditing(object sender, GridViewEditEventArgs e)
    {
        grd.EditIndex = e.NewEditIndex;
    }

    protected void grd_RowDeleting(object sender, GridViewDeleteEventArgs e)
    {
        int id_Article = Convert.ToInt32(grd.DataKeys[e.RowIndex].Value.ToString());
        ScriptManager.RegisterStartupScript(this, this.GetType(), "script", "alert('are u
sure')", true);
        annulerCommand(id_Article);

    }

    private void annulerCommand(int id_Article)
    {
        var stu = (from s in dc.t_cmd where s.articleID == id_Article && s.clientID==
(int)Session["id_client"] select s).First();

        dc.t_cmd.DeleteOnSubmit(stu);
        dc.SubmitChanges();

        LoadPanier();
    }
  }
}
```

7. Conclusion :

Ce projet s'est révélé très enrichissant dans la mesure où il a consisté en une approche concrète du métier d'ingénieur. En effet, la prise d'initiative, le respect des délais et le travail en équipe seront des aspects essentiels de notre futur métier.

De plus, il nous a permis d'apprendre quelques nouvelles connaissances en web en domaine pratique notamment **ASP.NET** qui se présente comme étant un Framework puissant et complet. qui tout ce là se révèle aujourd'hui d'intérêt général au vu de l'augmentation continue sur les demandes des profils Fullstack capable de créer des sites web dynamique complet.