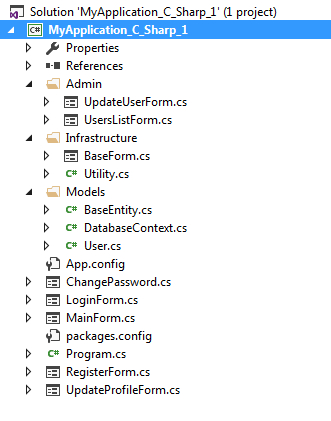
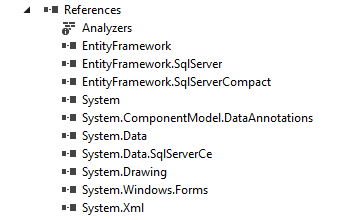
First Project OF C#



Solution Explorer

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**References**



**Program.cs**

using System.Linq;

using System.Data.Entity;

namespace LEARNING\_EF\_CODE\_FIRST

{

static class Program

{

static Program()

{

}

[System.STAThread]

static void Main()

{

System.Windows.Forms.Application.EnableVisualStyles();

System.Windows.Forms.Application.SetCompatibleTextRenderingDefault(false);

// \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

MainForm frmStartup = new MainForm();

System.Windows.Forms.Application.Run(frmStartup);

if (frmStartup != null)

{

if (frmStartup.IsDisposed == false)

{

frmStartup.Dispose();

}

frmStartup = null;

}

// \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

}

}

}

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**ConnectionString**

<connectionStrings>

<add name="DatabaseContext"

connectionString="Integrated Security=SSPI;Persist Security

Info=False;Initial Catalog=LEARNING\_ENTITY\_FRAMEWORK\_WIN;Data Source=."

providerName="System.Data.SqlClient"

/>

<!--

<add

name="DatabaseContext"

connectionString="Password=1234512345;Persist Security Info=True;User

ID=SA;Initial Catalog=LEARNING\_ENTITY\_FRAMEWORK\_WIN;Data Source=."

providerName="System.Data.SqlClient"

/>

-->

<!--

<add

name="DatabaseContext"

connectionString="Data Source=|DataDirectory|\MyDatabase.sdf"

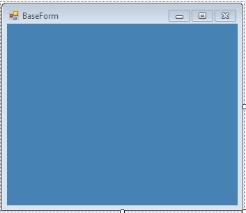
providerName="System.Data.SqlServerCe.4.0"

/>

-->

</connectionStrings>

**Infrastructure : BaseForm**

****

**BaseFormCode**

using System.Linq;

namespace Infrastructure

{

public partial class BaseForm : System.Windows.Forms.Form

{

public BaseForm()

{

InitializeComponent();

}

private void BaseForm\_Load(object sender, System.EventArgs e)

{

}

}

}

**Infrastructure : Utility Class**

//namespace MyApplication.Infrastructure

namespace Infrastructure

{

public static class Utility

{

static Utility()

{

}

public static Models.User AuthenticatedUser { get; set; }

}

}

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Models : BaseEntity**

namespace Models

{

public class BaseEntity : object

{

public BaseEntity() : base()

{

Id = System.Guid.NewGuid();

}

// \*\*\*\*\*\*\*\*\*\*

public System.Guid Id { get; set; }

// \*\*\*\*\*\*\*\*\*\*

}

}

**Models : User**

namespace Models

{

public class User : BaseEntity

{

public User() : base()

{

}

// \*\*\*\*\*\*\*\*\*\*

public bool IsActive { get; set; }

// \*\*\*\*\*\*\*\*\*\*

// \*\*\*\*\*\*\*\*\*\*

[System.ComponentModel.DataAnnotations.Required

(AllowEmptyStrings = false)]

[System.ComponentModel.DataAnnotations.StringLength

(maximumLength: 20, MinimumLength = 6)]

[System.ComponentModel.DataAnnotations.Schema.Index

(IsUnique = true)]

public string Username { get; set; }

// \*\*\*\*\*\*\*\*\*\*

// \*\*\*\*\*\*\*\*\*\*

[System.ComponentModel.DataAnnotations.Required

(AllowEmptyStrings = false)]

[System.ComponentModel.DataAnnotations.StringLength

(maximumLength: 40, MinimumLength = 8)]

public string Password { get; set; }

// \*\*\*\*\*\*\*\*\*\*

// \*\*\*\*\*\*\*\*\*\*

[System.ComponentModel.DataAnnotations.StringLength

(maximumLength: 50)]

[System.ComponentModel.DataAnnotations.Schema.Index

(IsUnique = false)]

public string FullName { get; set; }

// \*\*\*\*\*\*\*\*\*\*

// \*\*\*\*\*\*\*\*\*\*

public string Description { get; set; }

// \*\*\*\*\*\*\*\*\*\*

}

}

**Models : DatabaseContext**

namespace Models

{

public class DatabaseContext : System.Data.Entity.DbContext

{

static DatabaseContext()

{

}

public DatabaseContext() : base()

{

}

public System.Data.Entity.DbSet<User> Users { get; set; }

}

}

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**LoginFormCode**

using System.Linq;

using System.Data.Entity;

namespace MyApplication

{

public partial class LoginForm : Infrastructure.BaseForm

{

public LoginForm()

: base()

{

InitializeComponent();

}

+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++

private void LoginForm\_Load(object sender, System.EventArgs e)

{

}

+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++

private void exitButton\_Click(object sender, System.EventArgs e)

{

System.Windows.Forms.Application.Exit();

}

+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++

private void registerButton\_Click(object sender, System.EventArgs e)

{

Hide();

RegisterForm registerForm = new RegisterForm();

registerForm.Show();

}

private void resetButton\_Click(object sender, System.EventArgs e)

{

passwordTextBox.Text = string.Empty;

usernameTextBox.Text = string.Empty;

usernameTextBox.Focus();

}

+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++

private void loginButton\_Click(object sender, System.EventArgs e)

{

// \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

if ((string.IsNullOrWhiteSpace(usernameTextBox.Text)) ||

(string.IsNullOrWhiteSpace(passwordTextBox.Text)))

{

usernameTextBox.Text =

usernameTextBox.Text.Trim();

passwordTextBox.Text =

passwordTextBox.Text.Trim();

if (usernameTextBox.Text == string.Empty)

{

usernameTextBox.Focus();

}

else

{

passwordTextBox.Focus();

}

System.Windows.Forms.MessageBox.Show("Username and Password is

requied!");

return;

}

// \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Models.DatabaseContext oDatabaseContext = null;

try

{

oDatabaseContext =

new Models.DatabaseContext();

Models.User oUser =

oDatabaseContext.Users

.Where(current => string.Compare(current.Username,

usernameTextBox.Text, true) == 0)

.FirstOrDefault();

if (oUser == null)

{

System.Windows.Forms.MessageBox

.Show("Username and/or Password is not correct!");

return;

}

if (string.Compare(oUser.Password, passwordTextBox.Text, ignoreCase:

false) != 0)

{

System.Windows.Forms.MessageBox

.Show("Username and/or Password is not correct!");

return;

}

if (oUser.IsActive == false)

{

System.Windows.Forms.MessageBox

.Show("You can not login to this application! Please

contact support.");

return;

}

Infrastructure.Utility.AuthenticatedUser = oUser;

Hide();

MainForm mainForm = new MainForm();

mainForm.Show();

}

catch (System.Exception ex)

{

System.Windows.Forms.MessageBox.Show("Error: " + ex.Message);

}

finally

{

if (oDatabaseContext != null)

{

oDatabaseContext.Dispose();

oDatabaseContext = null;

}

}

}

}

}

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**MainFormCode**

using System.Linq;

using System.Data.Entity;

namespace MyApplication

{

public partial class MainForm : Infrastructure.BaseForm

{

public MainForm()

{

InitializeComponent();

}

+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++

private void MainForm\_Load(object sender, System.EventArgs e)

{

//usernameToolStripStatusLabel.Text =

// "Welcome " + Infrastructure.Utility.AuthenticatedUser.Username + "!";

usernameToolStripStatusLabel.Text =

string.Format("Welcome {0}!",

Infrastructure.Utility.AuthenticatedUser.Username);

}

private void exitToolStripMenuItem\_Click(object sender, System.EventArgs e)

{

//Note: Close() is not correct!

//Close();

System.Windows.Forms.DialogResult enmResult =

System.Windows.Forms.MessageBox.Show

(text: "آیا به خروج از برنامه اطمینان دارید؟",

caption: "سوال",

buttons: System.Windows.Forms.MessageBoxButtons.YesNo,

icon: System.Windows.Forms.MessageBoxIcon.Question,

defaultButton:

System.Windows.Forms.MessageBoxDefaultButton.Button2,

options: System.Windows.Forms.MessageBoxOptions.RightAlign |

System.Windows.Forms.MessageBoxOptions.RtlReading);

if (enmResult == System.Windows.Forms.DialogResult.Yes)

{

System.Windows.Forms.Application.Exit();

}

}

+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++

private void updateProfileToolStripMenuItem\_Click(object sender, System.EventArgs e)

{

UpdateProfileForm frmUpdateProfile = new UpdateProfileForm();

frmUpdateProfile.Show();

}

}

}

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**RegisterForm**

using System.Linq;

using System.Data.Entity;

namespace MyApplication

{

public partial class RegisterForm : Infrastructure.BaseForm

{

public RegisterForm()

{

InitializeComponent();

}

+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++

private void RegisterForm\_Load(object sender, System.EventArgs e)

{

}

+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++

private void resetButton\_Click(object sender, System.EventArgs e)

{

usernameTextBox.Text = string.Empty;

passwordTextBox.Text = string.Empty;

fullNameTextBox.Text = string.Empty;

usernameTextBox.Focus();

}

private void registerButton\_Click(object sender, System.EventArgs e)

{

// \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

if ((string.IsNullOrWhiteSpace(usernameTextBox.Text)) ||

(string.IsNullOrWhiteSpace(passwordTextBox.Text)))

{

usernameTextBox.Text =

usernameTextBox.Text.Trim();

passwordTextBox.Text =

passwordTextBox.Text.Trim();

if (usernameTextBox.Text == string.Empty)

{

usernameTextBox.Focus();

}

else

{

passwordTextBox.Focus();

}

System.Windows.Forms.MessageBox.Show("Username and Password is

requied!");

return;

}

string strErrorMessages = string.Empty;

if (usernameTextBox.Text.Length < 6)

{

strErrorMessages =

"Username length should be at least 6 characters!";

}

if (passwordTextBox.Text.Length < 8)

{

if (strErrorMessages != string.Empty)

{

strErrorMessages +=

System.Environment.NewLine;

}

strErrorMessages +=

"Password length should be at least 8 characters!";

}

// اگر خطایی وجود داشت

if (strErrorMessages != string.Empty)

{

System.Windows.Forms.MessageBox.Show(strErrorMessages);

return;

}

// \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Models.DatabaseContext oDatabaseContext = null;

try

{

oDatabaseContext =

new Models.DatabaseContext();

Models.User oUser =

oDatabaseContext.Users

.Where(current => string.Compare(current.Username, usernameTextBox.Text, true) == 0)

.FirstOrDefault();

if (oUser != null)

{

System.Windows.Forms.MessageBox.Show("This username is already exist! Please choose another one...");

usernameTextBox.Focus();

return;

}

oUser = new Models.User();

oUser.IsActive = true;

oUser.FullName = fullNameTextBox.Text;

oUser.Password = passwordTextBox.Text;

oUser.Username = usernameTextBox.Text;

oDatabaseContext.Users.Add(oUser);

oDatabaseContext.SaveChanges();

System.Windows.Forms.MessageBox.Show("Registration Done!");

fullNameTextBox.Text = string.Empty;

passwordTextBox.Text = string.Empty;

usernameTextBox.Text = string.Empty;

usernameTextBox.Focus();

}

catch (System.Exception ex)

{

System.Windows.Forms.MessageBox.Show("Error: " + ex.Message);

}

finally

{

if (oDatabaseContext != null)

{

oDatabaseContext.Dispose();

oDatabaseContext = null;

}

}

}

+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++

private void exitButton\_Click(object sender, System.EventArgs e)

{

System.Windows.Forms.Application.Exit();

}

}

}

**UpdateProfileForm**

using System.Linq;

namespace MyApplication

{

public partial class UpdateProfileForm : Infrastructure.BaseForm

{

public UpdateProfileForm()

{

InitializeComponent();

}

+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++

private void UpdateProfileForm\_Load(object sender, System.EventArgs e)

{

Models.DatabaseContext oDatabaseContext = null;

try

{

oDatabaseContext =

new Models.DatabaseContext();

Models.User oUser =

oDatabaseContext.Users

.Where(current => current.Id ==

Infrastructure.Utility.AuthenticatedUser.Id)

.FirstOrDefault();

if (oUser == null)

{

System.Windows.Forms.Application.Exit();

}

FullNameTextBox.Text = oUser.FullName;

DescriptionTextBox.Text = oUser.Description;

}

catch (System.Exception ex)

{

System.Windows.Forms.MessageBox.Show("Error: " + ex.Message);

}

finally

{

if (oDatabaseContext != null)

{

oDatabaseContext.Dispose();

oDatabaseContext = null;

}

}

}

+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++

private void SaveButton\_Click(object sender, System.EventArgs e)

{

Models.DatabaseContext oDatabaseContext = null;

try

{

oDatabaseContext =

new Models.DatabaseContext();

Models.User oUser =

oDatabaseContext.Users

.Where(current => current.Id ==

Infrastructure.Utility.AuthenticatedUser.Id)

.FirstOrDefault();

if (oUser == null)

{

System.Windows.Forms.Application.Exit();

}

oUser.FullName = FullNameTextBox.Text;

oUser.Description = DescriptionTextBox.Text;

oDatabaseContext.SaveChanges();

Infrastructure.Utility.AuthenticatedUser = oUser;

System.Windows.Forms.MessageBox.Show("Your profile was updated

successfully...");

}

catch (System.Exception ex)

{

System.Windows.Forms.MessageBox.Show("Error: " + ex.Message);

}

finally

{

if (oDatabaseContext != null)

{

oDatabaseContext.Dispose();

oDatabaseContext = null;

}

}

}

}

}

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**Packages**

<?xml version="1.0" encoding="utf-8"?>

<packages>

<package id="EntityFramework" version="6.1.3" targetFramework="net45" />

<package id="EntityFramework.SqlServerCompact" version="6.1.3" targetFramework="net45" />

<package id="Microsoft.SqlServer.Compact" version="4.0.8876.1" targetFramework="net45" />

<package id="SqlServerCompact" version="4.0.8854.1" targetFramework="net45" />

</packages

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**UpdateUserForm Code**

using System.Linq;

using System.Data.Entity;

namespace MyApplication\_C\_Sharp\_1.Admin

{

public partial class updateUserForm : Infrastructure.BaseForm

{

public updateUserForm()

{

InitializeComponent();

}

public System.Guid UserId { get; set; }

private void saveButton\_Click(object sender, System.EventArgs e)

{

Models.DatabaseContext oDatabaseContext = null;

try

{

oDatabaseContext = new Models.DatabaseContext();

Models.User oUser =

oDatabaseContext.Users

.Where(current => current.Id == UserId)

.FirstOrDefault();

if (oUser == null)

{

System.Windows.Forms.MessageBox.Show("There is no such a user");

Close();

}

oUser.IsActive = isActiveCheckBox.Checked;

oUser.IsAdmin = isAdminCheckBox.Checked;

oUser.FullName = fullNameTextBox.Text;

oUser.Description = descriptionTextBox.Text;

oDatabaseContext.SaveChanges();

Close();

}

catch (System.Exception ex)

{

System.Windows.Forms.MessageBox.Show(ex.Message);

Close();

}

finally

{

}

}

private void updateUserForm\_Load(object sender, System.EventArgs e)

{

Models.DatabaseContext oDatabaseContext = null;

try

{

oDatabaseContext = new Models.DatabaseContext();

Models.User oUser =

oDatabaseContext.Users

.Where(current => current.Id == UserId)

.FirstOrDefault();

if (oUser == null)

{

System.Windows.Forms.MessageBox.Show("There is no such a user");

Close();

}

isActiveCheckBox.Checked = oUser.IsActive;

isAdminCheckBox.Checked = oUser.IsAdmin;

fullNameTextBox.Text = oUser.FullName;

descriptionTextBox.Text = oUser.Description;

}

catch (System.Exception ex)

{

System.Windows.Forms.MessageBox.Show(ex.Message);

Close();

}

finally

{

}

}

private void updateUserForm\_FormClosed(object sender,

System.Windows.Forms.FormClosedEventArgs e)

{

}

}

}

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**UserListForm**

using System.Linq;

using System.Data.Entity;

namespace MyApplication\_C\_Sharp\_1.Admin

{

public partial class UsersListForm : Infrastructure.BaseForm

{

public UsersListForm()

{

InitializeComponent();

}

private Models.DatabaseContext \_myDatabaseContext;

private void UsersListForm\_Load(object sender, System.EventArgs e)

{

\_myDatabaseContext = new Models.DatabaseContext();

}

private void searchButton\_Click(object sender, System.EventArgs e)

{

System.Collections.Generic.List<Models.User> oUser;

if (string.IsNullOrWhiteSpace(fullNameTextBox.Text))

{

oUser =

\_myDatabaseContext.Users

.OrderBy(current => current.FullName)

.ToList()

;

}

else

{

oUser =

\_myDatabaseContext.Users

.Where(current => current.FullName.Contains(fullNameTextBox.Text))

.OrderBy(current => current.FullName)

.ToList()

;

}

usersListBox.ValueMember = "Id";

usersListBox.DisplayMember = "FullName";

usersListBox.DataSource = oUser;

if(oUser.Count==0)

{

System.Windows.Forms.MessageBox.Show("No User!");

}

}

private void usersListBox\_DoubleClick(object sender, System.EventArgs e)

{

Models.User oSelectedUser =

usersListBox.SelectedItem as Models.User;

if(oSelectedUser!=null)

{

Admin.updateUserForm updateUserForm = new updateUserForm();

updateUserForm.UserId = oSelectedUser.Id;

updateUserForm.ShowDialog();

}

}

private void UsersListForm\_FormClosed(object sender,

System.Windows.Forms.FormClosedEventArgs e)

{

if(\_myDatabaseContext!=null)

{

\_myDatabaseContext.Dispose();

\_myDatabaseContext = null;

}

}

}

}

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Add This Code In Program.CS For Make Admin User**

Models.DatabaseContext oDatabaseContext = null;

try

{

oDatabaseContext = new Models.DatabaseContext();

int intAdminCount =

oDatabaseContext.Users

.Where(current => current.IsAdmin)

.Count();

if(intAdminCount==0)

{

Models.User oAdminUser = new Models.User();

oAdminUser.IsActive = true;

oAdminUser.IsAdmin = true;

oAdminUser.FullName = "Administrator";

oAdminUser.Username = "Administrator";

oAdminUser.Password = "000000000";

oDatabaseContext.Users.Add(oAdminUser);

oDatabaseContext.SaveChanges();

}

}

catch (System.Exception ex)

{

System.Windows.Forms.MessageBox.Show(ex.Message);

return;

}

finally

{

if(oDatabaseContext!=null)

{

oDatabaseContext.Dispose();

oDatabaseContext = null;

}

}

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Add This Code In MainForm\_Load**

if(Infrastructure.Utility.AuthenticatedUser.IsAdmin==true)

{

adminToolStripMenuItem.Visible = true;

}

else

{

adminToolStripMenuItem.Visible = false;

}

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**ChangePasswordForm**

using System.Linq;

using System.Data.Entity;

namespace MyApplication\_C\_Sharp\_1

{

public partial class changePasswordForm : Infrastructure.BaseForm

{

public changePasswordForm()

{

InitializeComponent();

}

private void changePasswordForm\_Load(object sender, System.EventArgs e)

{

}

private void changePasswordButton\_Click(object sender, System.EventArgs e)

{

string strErrorMasseges = string.Empty;

if(string.IsNullOrWhiteSpace(oldPaswordTextBox.Text))

{

strErrorMasseges = "Old Password is requierd!";

}

else

{

if(oldPaswordTextBox.Text.Length <8)

{

strErrorMasseges =

"The old password should be greater than or equal to 8 characters ";

}

}

if (string.IsNullOrWhiteSpace(newPasswordTextBox.Text))

{

if (strErrorMasseges != string.Empty)

{

strErrorMasseges +=

System.Environment.NewLine;

}

strErrorMasseges += "New Password is requierd!";

}

else

{

if (newPasswordTextBox.Text.Length < 8)

{

if (strErrorMasseges != string.Empty)

{

strErrorMasseges +=

System.Environment.NewLine;

}

strErrorMasseges +=

"The new password should be greater than or equal to 8 characters ";

}

}

if (string.IsNullOrWhiteSpace(confirmNewPasswordTextBox.Text))

{

if (strErrorMasseges != string.Empty)

{

strErrorMasseges +=

System.Environment.NewLine;

}

strErrorMasseges += "Confirm New Password is requierd!";

}

else

{

if(string.Compare(newPasswordTextBox.Text,confirmNewPasswordTextBox.Text)!=0)

{

if (strErrorMasseges != string.Empty)

{

strErrorMasseges +=

System.Environment.NewLine;

}

strErrorMasseges += "The confirm new password is not equal to new password";

}

}

if (strErrorMasseges!=string.Empty)

{

System.Windows.Forms.MessageBox.Show(strErrorMasseges);

return;

}

Models.DatabaseContext oDatabaseContext = null;

try

{

oDatabaseContext = new Models.DatabaseContext();

Models.User oUser =

oDatabaseContext.Users

.Where(current => current.Id == Infrastructure.Utility.AuthenticatedUser.Id)

.FirstOrDefault();

if(oUser==null)

{

System.Windows.Forms.Application.Exit();

}

if(string.Compare(oUser.Password,oldPaswordTextBox.Text,ignoreCase: false)!=0)

{

System.Windows.Forms.MessageBox.Show("Old password is not correct!");

oldPaswordTextBox.Focus();

return;

}

oUser.Password = newPasswordTextBox.Text;

oDatabaseContext.SaveChanges();

System.Windows.Forms.MessageBox.Show("Your password was changed successfully!");

}

catch (System.Exception ex)

{

System.Windows.Forms.MessageBox.Show(ex.Message);

}

finally

{

if(oDatabaseContext!=null)

{

oDatabaseContext.Dispose();

oDatabaseContext = null;

}

}

}

private void exitButton\_Click(object sender, System.EventArgs e)

{

Hide();

}

}

}