



Table of contents

1. System Requirements.....	2
2. Installation.....	2
3. Extend the aaronERP Database.....	2
3.1. Example : Add a new field to the Address-table.....	2
4. Extend aaronERP.....	3
4.1. Add new properties to the business layer.....	3
4.2. Create a new aaronERP-Builder control.....	3
4.3. Add a new control to the aaronERP menu.....	4

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Excuse any mistakes in my English. Please send corrections to info@aaron-erp.net.

1. System Requirements

Windows® XP, 2003, 2008, VISTA, 7; Microsoft™ VisualStudio 2008 SP1, Microsoft™ SQL Server (Express) 2008

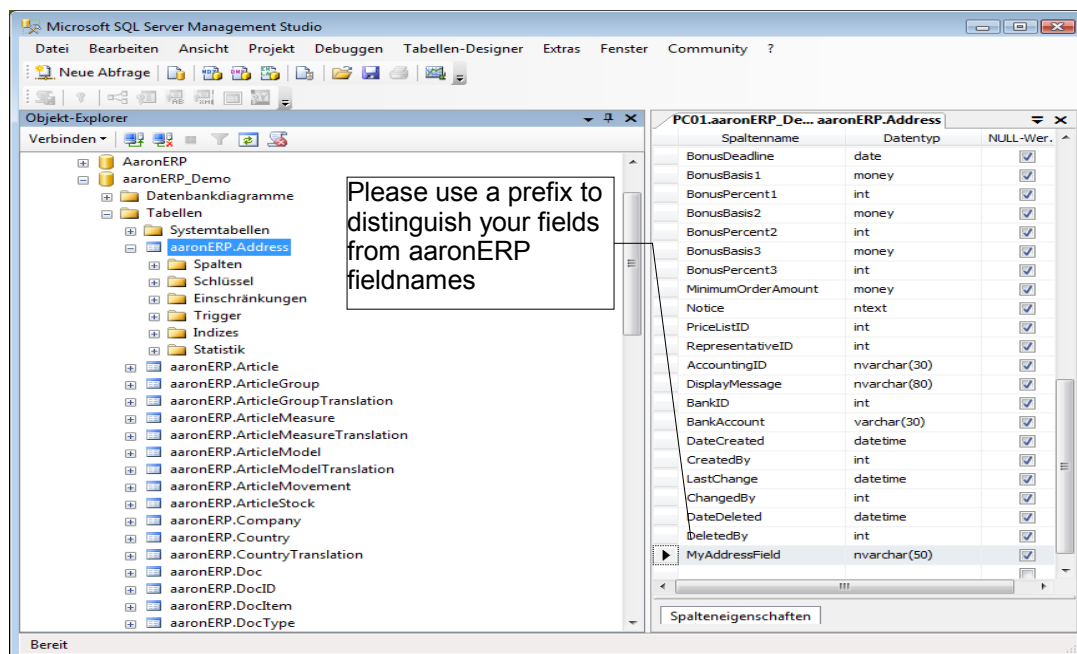
2. Installation

1. Unzip all files into a folder (i. g. c:\aaronERP_Demo)
2. Restore database aaronERP_xx_xx_xx_xx.bak using the SQL Server Management Studio
3. Double-click the aaronERP.sln file to open the solution with VisualStudio
4. Check the connection-string in the file "MyConnectionStrings.config"
5. Set the Website as "Startproject"
6. Press "F5" to run the web-application

3. Extend the aaronERP Database

3.1. Example : Add a new field to the Address-table

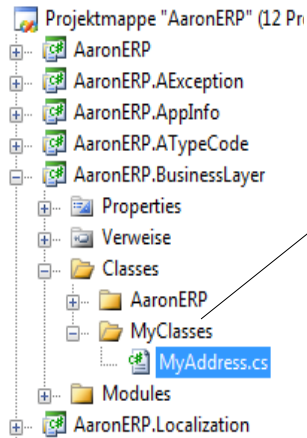
1. Open the "SQL Server Management Studio"
2. Expand the Tables and choose "aaronERP.Address"
3. Press the right mouse button and select "Design"
4. Add the field "MyAddressField" (nvarchar(50)) at the end of the field-list
5. Save your changes



4. Extend aaronERP

4.1. Add new properties to the business layer

1. Open the aaronERP.sln file with VisualStudio
2. Add a new class to the AaronERP.BusinessLayer project



Please use a separate folder and a prefix to distinguish your classes from the aaronERP classes !

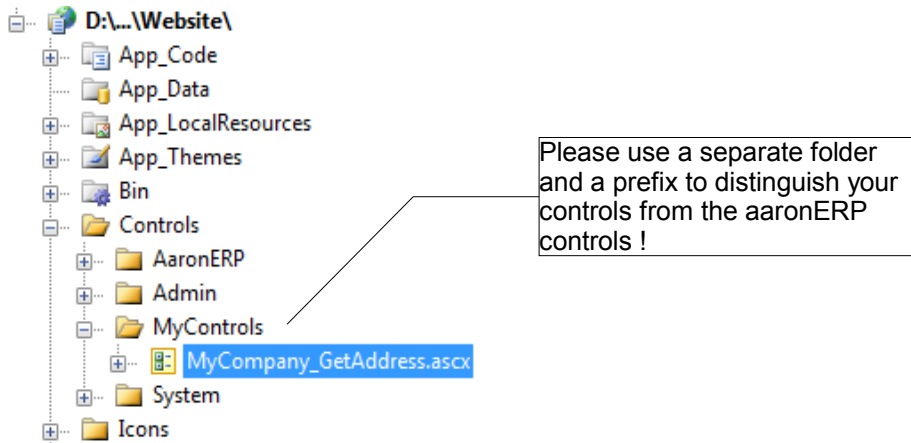
3. Add an get/set property to your class

```
using System;
using System.Collections.Generic;
using System.Data;
using System.Configuration;
using System.ComponentModel;
using AaronERP;
namespace AaronERP.BusinessLayer
{
    public partial class Address
    {
        [Category("")]
        [Description("get/set")]
        public object MyAddressField
        {
            get { return base.GetVal("MyAddressField"); }
            set { base.SetVal("MyAddressField", value); }
        }
    }
}
```

Name your class "Address" and mark her as 'partial'

4.2. Create a new aaronERP-Builder control

1. Add a new WebUserControl (.ascx) to the control folder

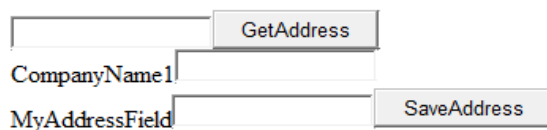


2. Add a TextBox and a Button to the new control

```
<%@Control Language="C#" AutoEventWireup="true"
CodeFile="MyCompany_GetAddress.ascx.cs" Inherits="Controls_MyControls_MyCompany_GetAddress" %>

<asp:TextBox ID="txtAddressID" runat="server"></asp:TextBox>
<asp:Button ID="btnGetAddress" runat="server" Text="GetAddress"
onclick="btnGetAddress_Click" />

<br />
<asp:Label ID="lblCompanyName1" runat="server" Text="CompanyName1"></asp:Label>
<asp:TextBox ID="txtCompanyName1" runat="server"></asp:TextBox>
<br />
<asp:Label ID="lblMyAddressField" runat="server" Text="MyAddressField"></asp:Label>
<asp:TextBox ID="txtMyAddressField" runat="server"></asp:TextBox>
<asp:Button ID="btnSaveAddress" runat="server" Text="SaveAddress"
onclick="btnSaveAddress_Click" />
```



3. Add the following lines to the code-behind

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using AaronERP.BusinessLayer;
public partial class Controls_MyControls_MyCompany_GetAddress : AaronERP.UI.Web.UserControl
{
    protected void Page_Init(object sender, EventArgs e)
    {
        base.ShowHeader = true;
        base.Title = "My Addressadministration";
    }
    protected void Page_Load(object sender, EventArgs e)
    {
    }
    protected void btnGetAddress_Click(object sender, EventArgs e)
    {
    }
}
```

Your control must inherit from
AaronERP.UI.Web.UserControl

```
using (AddressSet addressSet = new AddressSet())
{
    Address address = addressSet.GetInstance(this.txtAddressID.Text, false);
    this.txtCompanyName1.Text = Convert.ToString(address.CompanyName1);
    this.txtMyAddressField.Text = Convert.ToString(address.MyAddressField);
}
protected void btnSaveAddress_Click(object sender, EventArgs e)
{
    using (AddressSet addressSet = new AddressSet())
    {
        Address address = addressSet.GetInstance(this.txtAddressID.Text, false);
        address.CompanyName1 = this.txtCompanyName1.Text;
        address.MyAddressField = this.txtMyAddressField.Text;
        addressSet.SaveInstance(address);
    }
}
```

4.3. Add a new control to the aaronERP menu

1. Start the website (F5) and login as "SYSTEM"
2. Select "Systemadministration → Pages"
3. Add a new page to the menu (please notice the new ID)

New Page

PageName	Company_GetAddress	Insert Cancel
----------	--------------------	---

4. Select "Systemadministration → Controls"
5. Add the new control to the aaronERP control list

Record

Control path	Controls/MyControls
Control name	Company_GetAddress.ascx
Settings-Control	
Insert Cancel	









6. Select "Systemadministration → Mainmenu"
7. Add a new menu item to the main-menu

MenuItem

MenuName	MyCompany_GetAddress
Defaulttext	My Addressadministration
ParentMenuID	12
NavigateUrl	Default.aspx?PageID=29
Sort	
Insert Cancel	

PageID of step 3 !

8. Click on the "Permissions" image of the new menu item

Default.aspx?PageID=26	0				
Default.aspx?PageID=29	0				

9. Grant all roles to see the new menu item

Administrate MainMenu

[Save permissions](#) [Back](#)

Roles linked to Menu 26

RoleID	RoleName	Allow
1	SystemAdmin	<input checked="" type="checkbox"/>
2	ProgramAdmin	<input checked="" type="checkbox"/>
3	Sale	<input checked="" type="checkbox"/>
4	Purchase	<input checked="" type="checkbox"/>

10. Select "Systemadministration → "Link control and page"
 11. Link your control with the new page

Link Control and Page

[Save](#)

Page

Control

12. Restart the aaronERP web application to test your new page and control

aaron ERP Version 0.1.0.0 [Logout](#)

Sale	▶		
Datas	▶	Address	
Programadministration	▶	Articles	
Systemadministration	▶	References	
		My Addressadministration	

My Addressadministration

10001

CompanyName1

MyAddressField

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