

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using Telerik.Web.Mvc.UI;
using JerryWebMVC.DAL;
using Telerik.Web.Mvc;

namespace JerryWebMVC.Models
{
    public class EntityModel
    {
        CustomerDataDataContext db = new CustomerDataDataContext();

        public EntityModel()
        {
        }

        private Telerik.Web.Mvc.SiteMapNode FindParent(Telerik.Web.Mvc.SiteMapNode node,
int? parentid)
        {
            foreach (var _node in node.ChildNodes)
            {
                int val = -1;
                int.TryParse(_node.Attributes["value"] == null ? "-1": _node.Attributes[
"value"].ToString(),out val);
                if (val == parentid)
                {
                    return _node;
                }
                if (_node.ChildNodes.Count > 0)
                {
                    Telerik.Web.Mvc.SiteMapNode fnode = FindParent(_node, parentid);

                    if (fnode != null) return fnode;
                }
            }
            return null;
        }

        private void SetParent(Telerik.Web.Mvc.SiteMapNode node, int? parentid)
        {
            Telerik.Web.Mvc.SiteMapNode parent = FindParent(Entities.RootNode, parentid);
            if (parent == null)
            {
                Entities.RootNode.ChildNodes.Add(node);
            }
            else
            {
                parent.ChildNodes.Add(node);
            }
        }

        private void GetSiteMap()
        {
            if (!SiteMapManager.SiteMaps.ContainsKey("entities"))
            {
                SiteMapManager.SiteMaps.Register<XmlSiteMap>("entities", sitemap =>
sitemap.LoadFrom("~/Entity.sitemap"));
            }
            else
            {
            }
        }
    }
}
```

```
        {
            SiteMapManager.SiteMaps["entities"].Reset();
        }
        Entities = SiteMapManager.SiteMaps["entities"];
    }

    public void GetEntity()
    {
        var res = db.EntityUnitTrees;

        EntityList = res.ToList();
    }

    public void BuildSiteMap()
    {
        GetSiteMap();
        GetEntity();
        foreach (var eu in EntityList)
        {
            Telerik.Web.Mvc.SiteMapNode snode = new Telerik.Web.Mvc.SiteMapNode();
            snode.Title = eu.LocationName;
            snode.Attributes.Add("value", eu.EntityUnitID.ToString());
            snode.Attributes.Add("entitytype", eu.EntityUnitTypeID.ToString());
            if (eu.EntityUnitTypeID == 1)
            {
                snode.Attributes.Add("imageUrl", "../../../Content/images/residentunit.
jpg");
                snode.Attributes.Add("title", "Double Click to see Room Photo");
            }
            else
            {
                snode.Attributes.Add("imageUrl", "../../../Content/images/unit.jpg");
                snode.Attributes.Add("title", "");
            }
            SetParent(snode, eu.ParentEntityID);
        }
    }

    private List<EntityUnitTree> EntityList { get; set; }

    public SiteMapBase Entities { get; set; }
}

}
```