namespace MyJSTreeDemo.Controllers

{

[HandleError]

public class HomeController : Controller

{

[AcceptVerbs(HttpVerbs.Post)]

public string GetTreeData(string id)

{

List<AjaxTreeNodeJsonObject> results = new List<AjaxTreeNodeJsonObject>();

//NODE ID: TREEID\_LEVEL\_PARENTID\_ID

//this should be the first call from the tree to initialize

if (string.IsNullOrEmpty(id) | id == "0")

{

results.Add(new AjaxTreeNodeJsonObject("TREE1\_0\_0\_1", "U.S.A.", "#", true));

results.Add(new AjaxTreeNodeJsonObject("TREE1\_0\_0\_2", "Canada", "#", true));

}

else

{

JavaScriptSerializer ser = new JavaScriptSerializer();

return ser.Serialize(results);

}

}

internal class AjaxTreeNodeJsonObject

{

private AjaxTreeNodeJsonObjectAttribute \_attr = new AjaxTreeNodeJsonObjectAttribute();

private string \_state = string.Empty;

private string \_icon = string.Empty;

private string \_metadata = string.Empty;

private AjaxTreeNodeJsonObjectDataLinkAttribute \_data = new AjaxTreeNodeJsonObjectDataLinkAttribute();

private AjaxTreeNodeJsonObject[] \_children;

public AjaxTreeNodeJsonObjectAttribute attr

{

get { return \_attr; }

}

public AjaxTreeNodeJsonObjectDataLinkAttribute data

{

get { return \_data; }

}

public string state

{

get { return \_state; }

set { \_state = value; }

}

public string icon

{

get { return \_icon; }

set { \_icon = value; }

}

public string metadata

{

get { return \_metadata; }

set { \_metadata = value; }

}

public AjaxTreeNodeJsonObject[] children

{

get { return \_children; }

set { \_children = value; }

}

public AjaxTreeNodeJsonObject()

{

}

public AjaxTreeNodeJsonObject(string id, string title, string href)

: this(id, title, href, false)

{

}

public AjaxTreeNodeJsonObject(string id, string title, string href, bool hasChildren)

{

//li values

this.attr.id = id;

this.attr.title = title;

//a values

this.data.attr.href = href;

this.data.attr.id = "a" + this.attr.id;

this.data.title = this.attr.title;

if (hasChildren)

{

this.state = "closed";

}

}

public AjaxTreeNodeJsonObject(string id, string title, string href, AjaxTreeNodeJsonObject[] children)

{

//li values

this.attr.id = id;

this.attr.title = title;

//a values

this.data.attr.href = href;

this.data.attr.id = "a" + this.attr.id;

this.data.title = this.attr.title;

if (children != null && children.Length > 0)

{

this.state = "closed";

this.children = children;

}

}

}

internal class AjaxTreeNodeJsonObjectAttribute

{

private string \_id = string.Empty;

private string \_title = string.Empty;

/// <summary>

/// Gets or sets the Id value

/// </summary>

public string id

{

get { return this.\_id; }

set { this.\_id = value; }

}

/// <summary>

/// Gets or sets the Title value

/// </summary>

public string title

{

get { return this.\_title; }

set { this.\_title = value; }

}

}

internal class AjaxTreeNodeJsonObjectDataLinkAttribute

{

private string \_title = string.Empty;

private AjaxTreeNodeJsonObjectLinkAttribute \_attr = new AjaxTreeNodeJsonObjectLinkAttribute();

/// <summary>

/// Gets or sets the Title value

/// </summary>

public string title

{

get { return this.\_title; }

set { this.\_title = value; }

}

public AjaxTreeNodeJsonObjectLinkAttribute attr

{

get { return \_attr; }

set { \_attr = value; }

}

}

internal class AjaxTreeNodeJsonObjectLinkAttribute

{

private string \_id = string.Empty;

private string \_href = string.Empty;

private string \_target = string.Empty;

/// <summary>

/// Gets or sets the Id value

/// </summary>

public string id

{

get { return this.\_id; }

set { this.\_id = value; }

}

/// <summary>

/// Gets or sets the Href value

/// </summary>

public string href

{

get { return this.\_href; }

set { this.\_href = value; }

}

/// <summary>

/// Gets or sets the Target value

/// </summary>

public string target

{

get { return this.\_target; }

set { this.\_target = value; }

}

}

}