

Source Code for the Net Price Calculator

National Center for Education Statistics, U.S. Department of Education

Editor's note: Source code opened with Microsoft WordPad; no attempts were made to change the formatting. Source code files were dated 4 December 2012. The sixty-four accompanying images—GIF, JPEG and PNG—were not included in this document.

/*

json2.js

2007-12-02

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See <http://www.JSON.org/js.html>

This file creates a global JSON object containing two methods:

`JSON.stringify(value, whitelist)`

`value` any JavaScript value, usually an object or array.

`whitelist` an optional array parameter that determines how object values are stringified.

This method produces a JSON text from a JavaScript value.

There are three possible ways to stringify an object, depending on the optional whitelist parameter.

If an object has a `toJSON` method, then the `toJSON()` method will be called. The value returned from the `toJSON` method will be

stringified.

Otherwise, if the optional whitelist parameter is an array, then the elements of the array will be used to select members of the object for stringification.

Otherwise, if there is no whitelist parameter, then all of the members of the object will be stringified.

Values that do not have JSON representations, such as undefined or functions, will not be serialized. Such values in objects will be dropped; in arrays will be replaced with null.

JSON.stringify(undefined) returns undefined. Dates will be stringified as quoted ISO dates.

Example:

```
var text = JSON.stringify(['e', {pluribus: 'unum'}]);  
// text is '["e",{"pluribus":"unum"}]'
```

JSON.parse(text, filter)

This method parses a JSON text to produce an object or array. It can throw a SyntaxError exception.

The optional filter parameter is a function that can filter and transform the results. It receives each of the keys and values, and its return value is used instead of the original value. If it returns what it received, then structure is not modified. If it returns undefined then the member is deleted.

Example:

```
// Parse the text. If a key contains the string 'date' then
// convert the value to a date.

myData = JSON.parse(text, function (key, value) {
    return key.indexOf('date') >= 0 ? new Date(value) : value;
});
```

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Use your own copy. It is extremely unwise to load third party code into your pages.

```
*/
```

```
/*jslint evil: true */
```

```
/*global JSON */
```

```
/*members "\b", "\t", "\n", "\f", "\r", "\'", JSON, "\\", apply,
    charCodeAt, floor, getUTCDate, getUTCFullYear, getUTCHours,
    getUTCMinutes, getUTCMonth, getUTCSeconds, hasOwnProperty, join, length,
    parse, propertyIsEnumerable, prototype, push, replace, stringify, test,
    toJSON, toString
*/
```

```
if (!this.JSON) {
```

```

JSON = function () {

    function f(n) { // Format integers to have at least two digits.
        return n < 10 ? '0' + n : n;
    }

```

```

Date.prototype.toJSON = function () {

```

```

// Eventually, this method will be based on the date.toISOString method.

```

```

    return this.getUTCFullYear() + '-' +
        f(this.getUTCMonth() + 1) + '-' +
        f(this.getUTCDate()) + 'T' +
        f(this.getUTCHours()) + ':' +
        f(this.getUTCMinutes()) + ':' +
        f(this.getUTCSeconds()) + 'Z';
};

```

```

var m = { // table of character substitutions
    '\b': '\\b',
    '\t': '\\t',
    '\n': '\\n',
    '\f': '\\f',
    '\r': '\\r',
    '\"': '\\\"',
    '\\': '\\\\'
};

```

```

function stringify(value, whitelist) {
    var a,      // The array holding the partial texts.
        i,      // The loop counter.
        k,      // The member key.
        l,      // Length.
        r = /["\\x00-\x1f\x7f-\x9f]/g,
        v;      // The member value.

    switch (typeof value) {
    case 'string':

// If the string contains no control characters, no quote characters, and no
// backslash characters, then we can safely slap some quotes around it.
// Otherwise we must also replace the offending characters with safe sequences.

        return r.test(value) ?
            "" + value.replace(r, function (a) {
                var c = m[a];
                if (c) {
                    return c;
                }
                c = a.charCodeAt();
                return '\u00' + Math.floor(c / 16).toString(16) +
                    (c % 16).toString(16);
            }) + "" :
            "" + value + "";

    case 'number':

```

```
// JSON numbers must be finite. Encode non-finite numbers as null.
```

```
    return isFinite(value) ? String(value) : 'null';
```

```
case 'boolean':
```

```
case 'null':
```

```
    return String(value);
```

```
case 'object':
```

```
// Due to a specification blunder in ECMAScript,
```

```
// typeof null is 'object', so watch out for that case.
```

```
    if (!value) {  
        return 'null';  
    }  
}
```

```
// If the object has a toJSON method, call it, and stringify the result.
```

```
    if (typeof value.toJSON === 'function') {  
        return stringify(value.toJSON());  
    }  
}
```

```
a = [];
```

```
if (typeof value.length === 'number' &&  
    !(value.propertyIsEnumerable('length'))) {
```

```
// The object is an array. Stringify every element. Use null as a placeholder
```

```
// for non-JSON values.
```

```
l = value.length;
for (i = 0; i < l; i += 1) {
    a.push(stringify(value[i], whitelist) || 'null');
}
```

// Join all of the elements together and wrap them in brackets.

```
return '[' + a.join(',') + ''];
}
if (whitelist) {
```

// If a whitelist (array of keys) is provided, use it to select the components
// of the object.

```
l = whitelist.length;
for (i = 0; i < l; i += 1) {
    k = whitelist[i];
    if (typeof k === 'string') {
        v = stringify(value[k], whitelist);
        if (v) {
            a.push(stringify(k) + ':' + v);
        }
    }
}
} else {
```

// Otherwise, iterate through all of the keys in the object.

```

for (k in value) {
  if (typeof k === 'string') {
    v = stringify(value[k], whitelist);
    if (v) {
      a.push(stringify(k) + ':' + v);
    }
  }
}
}
}

```

// Join all of the member texts together and wrap them in braces.

```

return '{' + a.join(',') + '}';
}
}

```

```

return {
  stringify: stringify,
  parse: function (text, filter) {
    var j;

    function walk(k, v) {
      var i, n;
      if (v && typeof v === 'object') {
        for (i in v) {
          if (Object.prototype.hasOwnProperty.apply(v, [i])) {
            n = walk(i, v[i]);
            if (n !== undefined) {
              v[i] = n;
            }
          }
        }
      }
    }
  }
}

```



```

        }
    }
    - }
    }
    return filter(k, v);
}

```

// Parsing happens in three stages. In the first stage, we run the text against
// regular expressions that look for non-JSON patterns. We are especially
// concerned with '(' and 'new' because they can cause invocation, and '='
// because it can cause mutation. But just to be safe, we want to reject all
// unexpected forms.

// We split the first stage into 4 regexp operations in order to work around
// crippling inefficiencies in IE's and Safari's regexp engines. First we
// replace all backslash pairs with '@' (a non-JSON character). Second, we
// replace all simple value tokens with ']' characters. Third, we delete all
// open brackets that follow a colon or comma or that begin the text. Finally,
// we look to see that the remaining characters are only whitespace or ']' or
// ',' or ':' or '{' or '}'. If that is so, then the text is safe for eval.

```

    if (/^[^,;:}\s]*$/ .test(text.replace(/\\./g, '@'))
    replace(/"([^"\\n\r]*"|"true|false|null|-?\d+(\?:\.\d*)?(\?:[eE][+-]?\d+)?/g, ']')
    replace(/(?:^|:|,)(?:\s*\[)+/g, "")) {

```

// In the second stage we use the eval function to compile the text into a
// JavaScript structure. The '{' operator is subject to a syntactic ambiguity
// in JavaScript: it can begin a block or an object literal. We wrap the text

```
// in parens to eliminate the ambiguity.
```

```
    j = eval('(' + text + ');');
```

```
// In the optional third stage, we recursively walk the new structure, passing
```

```
// each name/value pair to a filter function for possible transformation.
```

```
    return typeof filter === 'function' ? walk("", j) : j;
```

```
  }
```

```
// If the text is not JSON parseable, then a SyntaxError is thrown.
```

```
    throw new SyntaxError('parseJSON');
```

```
  }
```

```
};
```

```
})();
```

```
}
```

/*

* Editor's note: *Format as supplied*

* jQuery JavaScript Library v1.3.2

* <http://jquery.com/>

*

* Copyright (c) 2009 John Resig

* Dual licensed under the MIT and GPL licenses.

* <http://docs.jquery.com/License>

*

* Date: 2009-02-19 17:34:21 -0500 (Thu, 19 Feb 2009)

* Revision: 6246

*/

```
(function(){var l=this,g,y=l.jQuery,p=l.$,o=l.jQuery=l.$=function(E,F){return new
o.fn.init(E,F)},D=/^[^<]*(<(.|s)+>)[^>]*$|^#([\w-
]+)$/,f=/^#[\.,:]*$/;o.fn=o.prototype={init:function(E,H){E=E||document;if(E.nodeType){this[0]=
E;this.length=1;this.context=E;return this}if(typeof E=="string"){var
G=D.exec(E);if(G&&(G[1]||H)){if(G[1]){E=o.clean([G[1]],H)}else{var
l=document.getElementById(G[3]);if(l&&l.id!=G[3]){return o().find(E)}var
F=o(l||[]);F.context=document;F.selector=E;return F}}else{return
o(H).find(E)}else{if(o.isFunction(E)){return
o(document).ready(E)}if(E.selector&&E.context){this.selector=E.selector;this.context=E.context
}return
this.setArray(o.isArray(E)?E:o.makeArray(E)),selector:"",jquery:"1.3.2",size:function(){return
this.length},get:function(E){return
E===g?Array.prototype.slice.call(this):this[E]},pushStack:function(F,H,E){var
G=o(F);G.prevObject=this;G.context=this.context;if(H=="find"){G.selector=this.selector+(this.s
elector?" ":"")+E}else{if(H){G.selector=this.selector+"."+H+"("+E+")"}}return
G},setArray:function(E){this.length=0;Array.prototype.push.apply(this,E);return
this},each:function(F,E){return o.each(this,F,E)},index:function(E){return
o.inArray(E&&E.jquery?E[0]:E,this)},attr:function(F,H,G){var E=F;if(typeof
F=="string"){if(H===g){return this[0]&&o[G||"attr"](this[0],F)}else{E={};E[F]=H}}return
this.each(function(l){for(F in
E){o.attr(G?this.style:this,F,o.prop(this,E[F],G,l,F))}})},css:function(E,F){if((E=="width"||E=="heig
ht")&&parseFloat(F)<0){F=g}return this.attr(E,F,"curCSS")},text:function(F){if(typeof
F!="object"&&F!=null){return
this.empty().append((this[0]&&this[0].ownerDocument||document).createTextNode(F))}var
E="";o.each(F||this,function(){o.each(this.childNodes,function(){if(this.nodeType!=8){E+=this.nod
eType!=1?this.nodeValue:o.fn.text([this])}});return E},wrapAll:function(E){if(this[0]){var
F=o(E,this[0].ownerDocument).clone();if(this[0].parentNode){F.insertBefore(this[0])}F.map(funciti
on(){var G=this;while(G.firstChild){G=G.firstChild}return G}).append(this)}return
this},wrapInner:function(E){return
```

```

this.each(function(){o(this).contents().wrapAll(E)}},wrap:function(E){return
this.each(function(){o(this).wrapAll(E)}},append:function(){return
this.domManip(arguments,true,function(E){if(this.nodeType==1){this.appendChild(E)}}},prepen
d:function(){return
this.domManip(arguments,true,function(E){if(this.nodeType==1){this.insertBefore(E,this.firstChil
d)}}},before:function(){return
this.domManip(arguments,false,function(E){this.parentNode.insertBefore(E,this)}},after:function
(){return
this.domManip(arguments,false,function(E){this.parentNode.insertBefore(E,this.nextSibling)}}},e
nd:function(){return
this.prevObject||o([]),push:[] .push,sort:[] .sort,splice:[] .splice,find:function(E){if(this.length===1){v
ar F=this.pushStack([], "find", E);F.length=0;o.find(E,this[0],F);return F}else{return
this.pushStack(o.unique(o.map(this,function(G){return
o.find(E,G)})), "find", E)}},clone:function(G){var
E=this.map(function(){if(!o.support.noCloneEvent&&!o.isXMLDoc(this)){var
l=this.outerHTML;if(!l){var
J=this.ownerDocument.createElement("div");J.appendChild(this.cloneNode(true));l=J.innerHTM
L}return o.clean([l.replace(/ jQuery\d+="(?:\d+|null)"/g, "").replace(/^\s*/, "")])[0]}else{return
this.cloneNode(true)}});if(G===true){var
H=this.find("").andSelf(),F=0;E.find("").andSelf().each(function(){if(this.nodeName!==H[F].node
Name){return}var l=o.data(H[F], "events");for(var K in l){for(var J in
l[K]){o.event.add(this,K,l[K][J],l[K][J].data)}}F++}}return E},filter:function(E){return
this.pushStack(o.isFunction(E)&&o.grep(this,function(G,F){return
E.call(G,F)}))||o.multiFilter(E,o.grep(this,function(F){return
F.nodeType===1})), "filter", E)},closest:function(E){var
G=o.expr.match.POS.test(E)?o(E):null,F=0;return this.map(function(){var
H=this;while(H&&H.ownerDocument){if(G?G.index(H)>-1:o(H).is(E)){o.data(H, "closest", F);return
H}H=H.parentNode;F++}}),not:function(E){if(typeof E==="string"){if(f.test(E)){return
this.pushStack(o.multiFilter(E,this,true), "not", E)}else{E=o.multiFilter(E,this)}}var
F=E.length&&E[E.length-1]!==g&&!E.nodeType;return this.filter(function(){return
F?o.inArray(this,E)<0:this!==E}),add:function(E){return
this.pushStack(o.unique(o.merge(this.get(),typeof
E==="string"?o(E):o.makeArray(E))))},is:function(E){return
!!E&&o.multiFilter(E,this).length>0},hasClass:function(E){return
!!E&&this.is("." +E)},val:function(K){if(K===g){var
E=this[0];if(E){if(o.nodeName(E,"option")){return(E.attributes.value||{}).specified?E.value:E.text}i
f(o.nodeName(E,"select")){var l=E.selectedIndex,L=[],M=E.options,H=E.type=="select-
one";if(l<0){return null}for(var F=H?!0,J=H?l+1:M.length;F<J;F++){var
G=M[F];if(G.selected){K=o(G).val();if(H){return K}L.push(K)}}return
L}return(E.value||"").replace(/r/g, "")}return g;if(typeof K==="number"){K+=""}return
this.each(function(){if(this.nodeType!=1){return}if(o.isArray(K)&&/radio|checkbox/.test(this.type))
{this.checked=(o.inArray(this.value,K)>=0||o.inArray(this.name,K)>=0)}else{if(o.nodeName(this,"
select")){var
N=o.makeArray(K);o("option", this).each(function(){this.selected=(o.inArray(this.value,N)>=0||o.i
nArray(this.text,N)>=0)});if(!N.length){this.selectedIndex=-
1}}else{this.value=K}}}),html:function(E){return E===g?(this[0]?this[0].innerHTML.replace(/
jQuery\d+="(?:\d+|null)"/g, ""):null):this.empty().append(E)},replaceWith:function(E){return
this.after(E).remove(),eq:function(E){return this.slice(E,+E+1)},slice:function(){return
this.pushStack(Array.prototype.slice.apply(this,arguments), "slice", Array.prototype.slice.call(argu
ments).join(", ")),map:function(E){return this.pushStack(o.map(this,function(G,F){return
E.call(G,F,G)})),andSelf:function(){return

```

```

this.add(this.prevObject)},domManip:function(J,M,L){if(this[0]){var
l=(this[0].ownerDocument||this[0]).createDocumentFragment(),F=o.clean(J,(this[0].ownerDocum
ent||this[0]),l),H=l.firstChild;if(H){for(var
G=0,E=this.length;G<E;G++){L.call(K(this[G],H),this.length>1||G>0?!.cloneNode(true):l)}}if(F){o.
each(F,z)}return this;function K(N,O){return
M&&o.nodeName(N,"table")&&o.nodeName(O,"tr")?(N.getElementsTagName("tbody")[0]||N.
appendChild(N.ownerDocument.createElement("tbody")):N}};o.fn.init.prototype=o.fn;function
z(E,F){if(F.src){o.ajax({url:F.src,async:false,dataType:"script"})}else{o.globalEval(F.text||F.textC
ontent||F.innerHTML||"")}if(F.parentNode){F.parentNode.removeChild(F)}}function e(){return
+new Date}o.extend=o.fn.extend=function(){var
J=arguments[0]||{},H=1,l=arguments.length,E=false,G;if(typeof
J==="boolean"){E=J;J=arguments[1]||{};H=2}if(typeof
J!=="object"&&!o.isFunction(J)){J={}}if(l==H){J=this;--
H}for(;H<l;H++){if((G=arguments[H])!=null){for(var F in G){var
K=J[F],L=G[F];if(J===L){continue}if(E&&L&&typeof
L==="object"&&!L.nodeType){J[F]=o.extend(E,K||(L.length!=null?[]:{}),L)}else{if(L===g){J[F]=L}}}}
}return J};var b=/z-?index|font-?weight|opacity|zoom|line-
?height/i,q=document.defaultView||{},s=Object.prototype.toString;o.extend({noConflict:function(
E){l.$=p;if(E){l.jQuery=y}return o},isFunction:function(E){return s.call(E)==="[object
Function]"},isArray:function(E){return s.call(E)==="[object Array]"},isXMLDoc:function(E){return
E.nodeType===9&&E.documentElement.nodeName!="HTML"||!E.ownerDocument&&o.isXML
Doc(E.ownerDocument)},globalEval:function(G){if(G&&!/test(G)){var
F=document.getElementsByTagName("head")[0]||document.documentElement,E=document.cre
ateElement("script");E.type="text/javascript";if(o.support.scriptEval){E.appendChild(document.cr
eateTextNode(G))}else{E.text=G}F.insertBefore(E,F.firstChild);F.removeChild(E)},nodeName:fu
nction(F,E){return
F.nodeName&&F.nodeName.toUpperCase()===E.toUpperCase()},each:function(G,K,F){var
E,H=0,l=G.length;if(F){if(l===g){for(E in
G){if(K.apply(G[E],F)===false){break}}else{for(;H<l;){if(K.apply(G[H++],F)===false){break}}}}els
e{if(l===g){for(E in G){if(K.call(G[E],E,G[E])===false){break}}}}else{for(var
J=G[0];H<l&&K.call(J,H,J)===false;J=G[H++]){}}}return
G},prop:function(H,I,G,F,E){if(o.isFunction(I)){I=I.call(H,F)}return typeof
l==="number"&&G=="curCSS"&&!b.test(E)?l+"px":l,className:{add:function(E,F){o.each((F||"
").split(/\s+/),function(G,H){if(E.nodeType==1&&!o.className.has(E.className,H)){E.classNam
e+=(" "+E.className+" "+H)}}),remove:function(E,F){if(E.nodeType==1){E.className=F!===g?o.grep(E.className.s
plit(/\s+/),function(G){return !o.className.has(F,G)}).join(" ").trim():""},has:function(F,E){return
F&&o.inArray(E,(F.className||F).toString().split(/\s+/))>-1}},swap:function(H,G,I){var
E={};for(var F in G){E[F]=H.style[F];H.style[F]=G[F]}l.call(H);for(var F in
G){H.style[F]=E[F]}},css:function(H,F,J,E){if(F=="width"||F=="height"){var
L,G={position:"absolute",visibility:"hidden",display:"block"},K=F=="width"?["Left","Right":["Top","
Bottom"];function
l(){L=F=="width"?H.offsetWidth:H.offsetHeight;if(E==="border"){return}o.each(K,function(){if(!E){
L-
=parseFloat(o.curCSS(H,"padding"+this,true))||0;if(E==="margin"){L+=parseFloat(o.curCSS(H,"
margin"+this,true))||0}else{L-
=parseFloat(o.curCSS(H,"border"+this+"Width",true))||0}}if(H.offsetWidth!==0){l()}else{o.swap(
H,G,l)}return Math.max(0,Math.round(L))}return o.curCSS(H,F,J)},curCSS:function(l,F,G){var
L,E=l.style;if(F=="opacity"&&!o.support.opacity){L=o.attr(E,"opacity");return
L===""?"1":L;if(F.match(/float/i)){F=w;if(!G&&E[E]){L=E[F]}else{if(q.getComputedStyle){if(F.m
atch(/float/i)){F="float"}F=F.replace(/([A-Z])/g,"-$1").toLowerCase();var

```

```

M=q.getComputedStyle(l,null);if(M){L=M.getPropertyValue(F)}if(F=="opacity"&&L==""){L="1"}}el
se{if(l.currentStyle){var J=F.replace(/-(w)/g,function(N,O){return
O.toUpperCase()});L=l.currentStyle[F]||l.currentStyle[J];if(!/^d+(px)?$/i.test(L)&&/^d/.test(L)){va
r
H=E.left,K=l.runtimeStyle.left;l.runtimeStyle.left=l.currentStyle.left;E.left=L||0;L=E.pixelLeft+"px";
E.left=H;l.runtimeStyle.left=K}}return L},clean:function(F,K,l){K=K||document;if(typeof
K.createElement=="undefined"){K=K.ownerDocument||K[0]&&K[0].ownerDocument||document
}if(!l&&F.length===1&&typeof F[0]===string){var
H=/^<(w+)?s*V?>$/i.exec(F[0]);if(H){return[K.createElement(H[1])]}var
G=[],E=[],L=K.createElement("div");o.each(F,function(P,S){if(typeof
S=="number"){S+="";if(!S){return}if(typeof
S=="string"){S=S.replace(/(<(w+)?>*)/g,function(U,V,T){return
T.match(/^(abbr|br|col|img|input|link|meta|param|hr|area|embed)$/i)?U:V+"></"+T+">"});var
O=S.replace(/^\s+/, "").substring(0,10).toLowerCase();var Q=!O.indexOf("<opt")&&[1,"<select
multiple='multiple'>","</select>"]||O.indexOf("<leg")&&[1,"<fieldset>","</fieldset>"]||O.match(/<(
thead|tbody|tfoot|colg|cap)/)&&[1,"<table>","</table>"]||O.indexOf("<tr")&&[2,"<table><tbody>","
</tbody></table>"]||O.indexOf("<td")||O.indexOf("<th")&&[3,"<table><tbody><tr>","</tr><tbo
dy></table>"]||O.indexOf("<col")&&[2,"<table><tbody></tbody><colgroup>","</colgroup></table>
"]||O.support.htmlSerialize&&[1,"div<div>","</div>"]||[0,"",""];L.innerHTML=Q[1]+S+Q[2];while(Q[
0]--){L=L.lastChild}if(!o.support.tbody){var
R=/<tbody/i.test(S),N=!O.indexOf("<table")&&!R?L.firstChild&&L.firstChild.childNodes:Q[1]=="<
table>"&&!R?L.childNodes:[];for(var M=N.length-1;M>=0;--
M){if(o.nodeName(N[M],"tbody")&&!N[M].childNodes.length){N[M].parentNode.removeChild(N[
M])}}if(!o.support.leadingWhitespace&&/^\s/.test(S)){L.insertBefore(K.createTextNode(S.match(
/^\s*/)[0],L.firstChild))S=o.makeArray(L.childNodes)}if(S.nodeType){G.push(S)}else{G=o.merge
(G,S)}};if(l){for(var
J=0;G[J];J++){if(o.nodeName(G[J],"script")&&(!G[J].type||G[J].type.toLowerCase()===text/javas
cript")){E.push(G[J].parentNode?G[J].parentNode.removeChild(G[J]):G[J])}else{if(G[J].nodeTyp
e===1){G.splice.apply(G,[J+1,0].concat(o.makeArray(G[J].getElementsByTagName("script"))))}l
.appendChild(G[J])}return E}return
G},attr:function(J,G,K){if(!J||J.nodeType===3||J.nodeType===8){return g}var
H=!o.isXMLDoc(J),L=K!=g;G=H&&o.props[G]||G;if(J.tagName){var
F=/href|src|style/.test(G);if(G=="selected"&&J.parentNode){J.parentNode.selectedIndex}if(G in
J&&H&&F){if(L){if(G=="type"&&o.nodeName(J,"input")&&J.parentNode){throw"type property
can't be changed"}J[G]=K}if(o.nodeName(J,"form")&&J.getAttributeNode(G)){return
J.getAttributeNode(G).nodeValue}if(G=="tabIndex"){var l=J.getAttributeNode("tabIndex");return
l&&l.specified?l.value:J.nodeName.match(/(button|input|object|select|textarea)/i)?0:J.nodeName
e.match(/^(a|area)$/i)&&J.href?0:g}return J[G]}if(!o.support.style&&H&&G=="style"){return
o.attr(J.style,"cssText",K)}if(L){J.setAttribute(G,""+K)}var
E=!o.support.hrefNormalized&&H&&F?J.getAttribute(G,2):J.getAttribute(G);return
E===null?g:E}if(!o.support.opacity&&G=="opacity"){if(L){J.zoom=1;J.filter=(J.filter||"").replace(/al
pha\([^\)]*\)/, "")+(parseInt(K)+""=="NaN"?"":"alpha(opacity="+K*100+"")})return
J.filter&&J.filter.indexOf("opacity=")>=0?(parseFloat(J.filter.match(/opacity=([^\)]*/)[1])/100)+"":""
}G=G.replace(/-([a-z])/ig,function(M,N){return N.toUpperCase()});if(L){J[G]=K}return
J[G]},trim:function(E){return(E||"").replace(/^\s+|\s+$/g, "")},makeArray:function(G){var
E=[];if(G!=null){var F=G.length;if(F==null||typeof
G==="string"||o.isFunction(G)||G.setInterval){E[0]=G}else{while(F){E[--F]=G[F]}}return
E},isArray:function(G,H){for(var E=0,F=H.length;E<F;E++){if(H[E]===G){return E}return -
1},merge:function(H,E){var
F=0,G,l=H.length;if(!o.support.getAll){while((G=E[F++])!=null){if(G.nodeType!=8){H[F++]=G}}}els
e{while((G=E[F++])!=null){H[F++]=G}}return H},unique:function(K){var F=[],E={};try{for(var

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G=0,H=K.length;G<H;G++){var
J=o.data(K[G]);if(!E[J]){E[J]=true;F.push(K[G])}catch(I){F=K}return F},grep:function(F,J,E){var
G=[];for(var H=0,I=F.length;H<I;H++){if(!E!=J(F[H],H)){G.push(F[H])}return
G},map:function(E,J){var F=[];for(var G=0,H=E.length;G<H;G++){var
I=J(E[G],G);if(I!=null){F[F.length]=I}}return F.concat.apply([],F)});var
C=navigator.userAgent.toLowerCase();o.browser={version:(C.match(/.+(?:rv|it|ra|ie)[V:
]([\d.]+)/)||[0,"0"])[1],safari:/webkit/.test(C),opera:/opera/.test(C),msie:/msie/.test(C)&&!/opera/.te
st(C),mozilla:/mozilla/.test(C)&&!/(compatible|webkit)/.test(C)};o.each({parent:function(E){return
E.parentNode},parents:function(E){return o.dir(E,"parentNode")},next:function(E){return
o.nth(E,2,"nextSibling")},prev:function(E){return
o.nth(E,2,"previousSibling")},nextAll:function(E){return
o.dir(E,"nextSibling")},prevAll:function(E){return
o.dir(E,"previousSibling")},siblings:function(E){return
o.sibling(E.parentNode.firstChild,E)},children:function(E){return
o.sibling(E.firstChild)},contents:function(E){return
o.nodeName(E,"iframe")?E.contentDocument||E.contentWindow.document:o.makeArray(E.child
Nodes)},function(E,F){o.fn[E]=function(G){var H=o.map(this,F);if(G&&typeof
G=="string"){H=o.multiFilter(G,H)}return
this.pushStack(o.unique(H),E,G)};o.each({appendTo:"append",prependTo:"prepend",insertBef
ore:"before",insertAfter:"after",replaceAll:"replaceWith"},function(E,F){o.fn[E]=function(G){var
J=[],L=o(G);for(var K=0,H=L.length;K<H;K++){var
I=(K>0?this.clone(true):this).get();o.fn[F].apply(o(L[K]),I);J=J.concat(I)}return
this.pushStack(J,E,G)};o.each({removeAttr:function(E){o.attr(this,E,"");if(this.nodeType==1){thi
s.removeAttribute(E)},addClass:function(E){o.className.add(this,E)},removeClass:function(E){
o.className.remove(this,E)},toggleClass:function(F,E){if(typeof
E!="boolean"){E=!o.className.has(this,F)}o.className[E?"add":"remove"](this,F)},remove:fu
nction(E){if(!E||o.filter(E,[this]).length){o("","").add([this]).each(function(){o.event.remove(this);
o.removeData(this)});if(this.parentNode){this.parentNode.removeChild(this)}},empty:function(){o
(this).children().remove();while(this.firstChild){this.removeChild(this.firstChild)}},function(E,F){o.f
n[E]=function(){return this.each(F,arguments)}},function j(E,F){return
E[0]&&parseInt(o.curCSS(E[0],F,true),10)||0}var
h="jQuery"+e(),v=0,A={};o.extend({cache:{},data:function(F,E,G){F=F==!?A:F;var
H=F[h];if(!H){H=F[h]=++v;if(E&&!o.cache[H]){o.cache[H]={}}if(G!=g){o.cache[H][E]=G}return
E?o.cache[H][E]:H},removeData:function(F,E){F=F==!?A:F;var H=F[h];if(E){if(o.cache[H]){delete
o.cache[H][E];E="";for(E in o.cache[H]){break}if(!E){o.removeData(F)}}}else{try{delete
F[h]}catch(G){if(F.removeAttribute){F.removeAttribute(h)}}delete
o.cache[H]},queue:function(F,E,H){if(F){E=(E||"fx")+"queue";var
G=o.data(F,E);if(!G||o.isArray(H)){G=o.data(F,E,o.makeArray(H))}else{if(H){G.push(H)}}return
G},dequeue:function(H,G){var
E=o.queue(H,G),F=E.shift();if(!G||G=="fx"){F=E[0]}if(F!=g){F.call(H)}};o.fn.extend({data:funct
ion(E,G){var H=E.split(".");H[1]=H[1]?". "+H[1]:"";if(G===g){var
F=this.triggerHandler("getData"+H[1]+"!",H[0]);if(F===g&&this.length){F=o.data(this[0],E)}retur
n F===g&&H[1]?this.data(H[0]):F}else{return
this.trigger("setData"+H[1]+"!",H[0],G).each(function(){o.data(this,E,G)}),removeData:function
(E){return this.each(function(){o.removeData(this,E)}},queue:function(E,F){if(typeof
E!="string"){F=E;E="fx"}if(F===g){return o.queue(this[0],E)}return this.each(function(){var
G=o.queue(this,E,F);if(E=="fx"&&G.length==1){G[0].call(this)}}},dequeue:function(E){return
this.each(function(){o.dequeue(this,E)}})});

```

/*

- * Sizzle CSS Selector Engine - v0.9.3
- * Copyright 2009, The Dojo Foundation
- * Released under the MIT, BSD, and GPL Licenses.
- * More information: <http://sizzlejs.com/>
- */

```
(function(){var R=/((?:\((?:\([^()]+\)|[^()]+)+\)|\[(?:\[[^\]]*\]|"[^"]*"|'[^']*'+)+\]|\\.|[^\s~;\(\)\[\]]+)/g,L=0,H=Object.prototype.toString;var F=function(Y,U,ab,ac){ab=ab||[];U=U||document;if(U.nodeType!==1&&U.nodeType!==9){return[]}if(!Y||typeof Y!="string"){return ab}var Z=[],W,af,ai,T,ad,V,X=true;R.lastIndex=0;while((W=R.exec(Y))!==null){Z.push(W[1]);if(W[2]){V=RegExp.rightContext;break}}if(Z.length>1&&M.exec(Y)){if(Z.length===2&&I.relative[Z[0]]){af=J(Z[0]+Z[1],U)}else{af=I.relative[Z[0]]?[U]:F(Z.shift(),U);while(Z.length){Y=Z.shift();if(I.relative[Y]){Y+=Z.shift()}af=J(Y,af)}}}else{var ae=ac?{expr:Z.pop(),set:E(ac)}:F.find(Z.pop(),Z.length===1&&U.parentNode?U.parentNode:U,Q(U));af=F.filter(ae.expr,ae.set);if(Z.length>0){ai=E(af)}else{X=false}while(Z.length){var ah=Z.pop(),ag=ah;if(!I.relative[ah]){ah=""}else{ag=Z.pop()}if(ag==null){ag=U}I.relative[ah](ai,ag,Q(U));if(!ai){ai=af}if(!ai){throw "Syntax error, unrecognized expression: "+(ah||Y)}if(H.call(ai)==="[object Array]"){if(!X){ab.push.apply(ab,ai)}else{if(U.nodeType===1){for(var aa=0;ai[aa]!==null;aa++){if(ai[aa]&&(ai[aa]===true||ai[aa].nodeType===1&&K(U,ai[aa]))){ab.push(af[aa])}}}}else{for(var aa=0;ai[aa]!==null;aa++){if(ai[aa]&&ai[aa].nodeType===1){ab.push(af[aa])}}}}}else{E(ai,ab)}if(V){F(V,U,ab,ac);if(G){hasDuplicate=false;ab.sort(G);if(hasDuplicate){for(var aa=1;aa<ab.length;aa++){if(ab[aa]===ab[aa-1]){ab.splice(aa--,1)}}}}return ab};F.matches=function(T,U){return F(T,null,null,U)};F.find=function(aa,T,ab){var Z,X;if(!aa){return[]}for(var W=0,V=I.order.length;W<V;W++){var Y=I.order[W],X;if((X=I.match[Y].exec(aa)){var U=RegExp.leftContext;if(U.substr(U.length-1)!="\\"){X[1]=X[1]||""}.replace(/\\g,"");Z=I.find[Y](X,T,ab);if(Z!==null){aa=aa.replace(I.match[Y],"");break}}}}if(!Z){Z=T.getElementsByTagName("*")}return{set:Z,expr:aa};F.filter=function(ad,ac,ag,W){var V=ad,ai=[],aa=ac,Y,T,Z=ac&&ac[0]&&Q(ac[0]);while(ad&&ac.length){for(var ab in I.filter){if((Y=I.match[ab].exec(ad))!==null){var U=I.filter[ab],ah,af,T=false;if(aa===ai){ai=[]}if(I.preFilter[ab]){Y=I.preFilter[ab](Y,aa,ag,ai,W,Z);if(!Y){T=ah=true}else{if(Y===true){continue}}if(Y){for(var X=0;(af=aa[X])!==null;X++){if(af){ah=U(af,Y,X,aa);var ae=W^!ah;if(ag&&ah!==null){if(ae){T=true}else{aa[X]=false}}else{if(ae){ai.push(af);T=true}}}}if(ah!==g){if(!ag){aa=ai}ad=ad.replace(I.match[ab],"");if(!T){return[]}break}}if(ad===V){if(T===null){throw "Syntax error, unrecognized expression: "+ad}else{break}}V=ad}return aa};var I=F.selectors={order:["ID","NAME","TAG"],match:{ID:/#(?:[w\u00c0-\uFFFF_-]|\\.)+/,CLASS:/\.(?:[w\u00c0-\uFFFF_-]|\\.)+/,NAME:/[name=""]*(?:[w\u00c0-\uFFFF_-]|\\.)+[""]*/,ATTR:/\s*((?:[w\u00c0-\uFFFF_-]|\\.)+)\s*(?:\S?)\s*[""]*(.*)\s*/,TAG:/^(?:[w\u00c0-\uFFFF\*_-]|\\.)+/,CHILD:/:(only|nth|last|first)-child(?:\((even|odd)|(dn|+)*\))?,POS:/:(nth|eq|gt|lt|first|last|even|odd)(?:\((\d*)\))?(?=[^-]$)/,PSEUDO:/:(?:[w\u00c0-\uFFFF_-]|\\.)+(?:\(([""]*)((?:\([^()]+\)|[^()]+)+\2)\)?/,attrMap:{"class":"className","for":"htmlFor"},attrHandle:{href:function(T){return T.getAttribute("href")},relative:{"+":function(aa,T,Z){var X=typeof T==="string",ab=X&&!W.test(T),Y=X&&!ab;if(ab&&!Z){T=T.toUpperCase()}for(var
```



```

W=0,V=aa.length,U;W<V;W++){if((U=aa[W])){while((U=U.previousSibling)&&U.nodeType!==1){
aa[W]=Y||U&&U.nodeName===T?U||false:U===T}}if(Y){F.filter(T,aa,true)},">":function(Z,U,aa){
var X=typeof U==="string";if(X&&!/\W/.test(U)){U=aa?U:U.toUpperCase();for(var
V=0,T=Z.length;V<T;V++){var Y=Z[V];if(Y){var
W=Y.parentNode;Z[V]=W.nodeName===U?W:false}}else{for(var V=0,T=Z.length;V<T;V++){var
Y=Z[V];if(Y){Z[V]=X?Y.parentNode:Y.parentNode===U}}if(X){F.filter(U,Z,true)}},"":function(W,U,
Y){var V=L++,T=S;if(!U.match(/\W/)){var
X=U=Y?U:U.toUpperCase();T=P}T("parentNode",U,V,W,X,Y),"~":function(W,U,Y){var
V=L++,T=S;if(typeof U==="string"&&!U.match(/\W/)){var
X=U=Y?U:U.toUpperCase();T=P}T("previousSibling",U,V,W,X,Y)},find:{ID:function(U,V,W){if(ty
peof V.getElementById==="undefined"&&!W){var T=V.getElementById(U[1]);return
T?[T]:[]},NAME:function(V,Y,Z){if(typeof Y.getElementsByName==="undefined"){var
U=[],X=Y.getElementsByName(V[1]);for(var
W=0,T=X.length;W<T;W++){if(X[W].getAttribute("name")===V[1]){U.push(X[W])}}return
U.length===0?null:U}},TAG:function(T,U){return
U.getElementsByTagName(T[1])},preFilter:{CLASS:function(W,U,V,T,Z,aa){W="
"+W[1].replace(/\g,"")+" ";if(aa){return W}for(var
X=0,Y;(Y=U[X])!=null;X++){if(Y){if(Z^(Y.className&&(" "+Y.className+"
").indexOf(W)>=0)){if(!V){T.push(Y)}}else{if(V){U[X]=false}}}}return false},ID:function(T){return
T[1].replace(/\g,""),TAG:function(U,T){for(var V=0;T[V]===false;V++){return
T[V]&&Q(T[V])?U[1]:U[1].toUpperCase()},CHILD:function(T){if(T[1]!="nth"){var U=/(-
?)(\d*)(?!\+|-
)?\d*/.exec(T[2]!="even"&&"2n"||T[2]!="odd"&&"2n+1"||/\d/.test(T[2])&&"0n"+T[2]||T[2]);T[2]=
(U[1]+(U[2]||1))-0;T[3]=U[3]-0;T[0]=L++;return T},ATTR:function(X,U,V,T,Y,Z){var
W=X[1].replace(/\g,"");if(!Z&&l.attrMap[W]){X[1]=l.attrMap[W];if(X[2]===~="){X[4]=" "+X[4]+"
"}return
X},PSEUDO:function(X,U,V,T,Y){if(X[1]===~="not"){if(X[3].match(R).length>1||/\^w/.test(X[3])){X[3]
=F(X[3],null,null,U)}else{var W=F.filter(X[3],U,V,true^Y);if(!V){T.push.apply(T,W)}return
false}}else{if(l.match.POS.test(X[0])||l.match.CHILD.test(X[0])){return true}}return
X},POS:function(T){T.unshift(true);return T}},filters:{enabled:function(T){return
T.disabled===false&&T.type!="hidden"},disabled:function(T){return
T.disabled===true},checked:function(T){return
T.checked===true},selected:function(T){T.parentNode.selectedIndex;return
T.selected===true},parent:function(T){return !!T.firstChild},empty:function(T){return
!T.firstChild},has:function(V,U,T){return
!!F(T[3],V).length},header:function(T){return/h\d/i.test(T.nodeName)},text:function(T){return"text"
===T.type},radio:function(T){return"radio"===T.type},checkbox:function(T){return"checkbox"===
T.type},file:function(T){return"file"===T.type},password:function(T){return"password"===T.type},
submit:function(T){return"submit"===T.type},image:function(T){return"image"===T.type},reset:fu
nction(T){return"reset"===T.type},button:function(T){return"button"===T.type||T.nodeName.toUp
perCase()===~="BUTTON"},input:function(T){return/input|select|textarea|button/i.test(T.nodeName
)}},setFilters:{first:function(U,T){return T===0},last:function(V,U,T,W){return U===W.length-
1},even:function(U,T){return T%2===0},odd:function(U,T){return
T%2===1},lt:function(V,U,T){return U<T[3]-0},gt:function(V,U,T){return U>T[3]-
0},nth:function(V,U,T){return T[3]-0===U},eq:function(V,U,T){return T[3]-
0===U}},filter:{PSEUDO:function(Z,V,W,aa){var U=V[1],X=l.filters[U];if(X){return
X(Z,W,V,aa)}else{if(U===~="contains"){return(Z.textContent||Z.innerText||"").indexOf(V[3])>=0}els
e{if(U===~="not"){var Y=V[3];for(var W=0,T=Y.length;W<T;W++){if(Y[W]===Z){return false}}return
true}}}},CHILD:function(T,W){var
Z=W[1],U=T;switch(Z){case"only":case"first":while(U=U.previousSibling){if(U.nodeType===1){re
turn false}}if(Z===~="first"){return

```



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(function(){var T=document.createElement("div");T.innerHTML="<div class='test e'></div><div
class='test'></div>";if(T.getElementsByClassName("e").length===0){return}T.lastChild.classNa
me="e";if(T.getElementsByClassName("e").length===1){return}l.order.splice(1,0,"CLASS");l.find
.CLASS=function(U,V,W){if(typeof V.getElementsByClassName!="undefined"&&!W){return
V.getElementsByClassName(U[1])}}function P(U,Z,Y,ad,aa,ac){var
ab=U=="previousSibling"&&!ac;for(var W=0,V=ad.length;W<V;W++){var
T=ad[W];if(T){if(ab&&T.nodeType===1){T.sizecache=Y;T.sizecache=W}T=T[U];var
X=false;while(T){if(T.sizecache===Y){X=ad[T.sizecache];break}if(T.nodeType===1&&!ac){T.sizecache
=Y;T.sizecache=W}if(T.nodeName===Z){X=T;break}T=T[U]}ad[W]=X}}function
S(U,Z,Y,ad,aa,ac){var ab=U=="previousSibling"&&!ac;for(var W=0,V=ad.length;W<V;W++){var
T=ad[W];if(T){if(ab&&T.nodeType===1){T.sizecache=Y;T.sizecache=W}T=T[U];var
X=false;while(T){if(T.sizecache===Y){X=ad[T.sizecache];break}if(T.nodeType===1){if(!ac){T.sizecache
=Y;T.sizecache=W}if(typeof
Z!="string"){if(T===Z){X=true;break}}else{if(F.filter(Z,[T]).length>0){X=T;break}}}}T=T[U]}ad[W]=
X}}var K=document.compareDocumentPosition?function(U,T){return
U.compareDocumentPosition(T)&16}:function(U,T){return
U!==T&&(U.contains?U.contains(T):true)};var Q=function(T){return
T.nodeType===9&&T.documentElement.nodeName!="HTML"||!T.ownerDocument&&Q(T.own
erDocument)};var J=function(T,aa){var
W=[],X="",Y,V=aa.nodeType?[aa]:aa;while((Y=l.match.PSEUDO.exec(T))){X+=Y[0];T=T.replace
(l.match.PSEUDO,"")}T=l.relative[T]?T+"*":T;for(var
Z=0,U=V.length;Z<U;Z++){F(T,V[Z],W)}return
F.filter(X,W);o.find=F;o.filter=F.filter;o.expr=F.selectors;o.expr[":"]=o.expr.filters;F.selectors.filter
s.hidden=function(T){return
T.offsetWidth===0||T.offsetHeight===0};F.selectors.filters.visible=function(T){return
T.offsetWidth>0||T.offsetHeight>0};F.selectors.filters.animated=function(T){return
o.grep(o.timers,function(U){return
T===U.elem}).length};o.multiFilter=function(V,T,U){if(U){V=":not("+V+")"}return
F.matches(V,T)};o.dir=function(V,U){var
T=[],W=V[U];while(W&&W!=document){if(W.nodeType===1){T.push(W)}W=W[U]}return
T};o.nth=function(X,T,V,W){T=T||1;var
U=0;for(;X;X=X[V]){if(X.nodeType===1&&+U===T){break}}return X};o.sibling=function(V,U){var
T=[];for(;V;V=V.nextSibling){if(V.nodeType===1&&V!=U){T.push(V)}}return
T};return;l.Sizzle=F})();o.event={add:function(l,F,H,K){if(l.nodeType===3||l.nodeType===8){return}i
f(l.setInterval&&!l){l=!l}if(!H.guid){H.guid=this.guid++}if(K!=g){var
G=H;H=this.proxy(G);H.data=K}var
E=o.data(l,"events")||o.data(l,"events",{}),J=o.data(l,"handle")||o.data(l,"handle",function(){return
typeof
o!="undefined"&&o.event.triggered?o.event.handle.apply(arguments.callee.elem,arguments):
g});J.elem=l;o.each(F.split(/\s+/),function(M,N){var
O=N.split(".");N=O.shift();H.type=O.slice().sort().join(".");var
L=E[N];if(o.event.specialAll[N]){o.event.specialAll[N].setup.call(l,K,O)}if(!L){L=E[N]={};if(!o.event.
special[N]||o.event.special[N].setup.call(l,K,O)===false){if(l.addEventListener){l.addEventListener
(N,J,false)}else{if(l.attachEvent){l.attachEvent("on"+N,J)}}}L[H.guid]=H;o.event.global[N]=true
}};l=null},guid:1,global:{},remove:function(K,H,J){if(K.nodeType===3||K.nodeType===8){return}var
G=o.data(K,"events"),F,E;if(G){if(H===g||(!H||H.charAt(0)!=".")){for(var I in
G){this.remove(K,I+(H||""))}}else{if(H.type){J=H.handler;H=H.type}o.each(H.split(/\s+/),function(
M,O){var Q=O.split(".");O=Q.shift();var
N=RegExp("(^|\\."+Q.slice().sort().join("\\.")+"(\\.|$)");if(G[O]){if(J){delete
G[O][J.guid]}else{for(var P in G[O]){if(N.test(G[O][P].type))}{delete
G[O][P]}}}}if(o.event.specialAll[O]){o.event.specialAll[O].teardown.call(K,Q)}for(F in

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G[O]){break}if(!F){if(!o.event.special[O]||o.event.special[O].teardown.call(K,Q)===false){if(K.removeEventListeners){K.removeEventListener(O,o.data(K,"handle"),false)}else{if(K.detachEvent){K.detachEvent("on"+O,o.data(K,"handle"))}}F=null;delete G[O]}}for(F in G){break}if(!F){var L=o.data(K,"handle");if(L){L.elem=null;o.removeData(K,"events");o.removeData(K,"handle")}}},trigger:function(I,K,H,E){var G=I.type||I;if(!E){I=typeof I==="object"?I[h]?I.o.extend(o.Event(G),I):o.Event(G);if(G.indexOf("!")>=0){I.type=G=G.slice(0,-1);I.exclusive=true}if(!H){I.stopPropagation();if(this.global[G]){o.each(o.cache,function(){if(this.events&&this.events[G]){o.event.trigger(I,K,this.handle.elem)}})}if(!H||H.nodeType==3||H.nodeType==8){return g}I.result=g;I.target=H;K=o.makeArray(K);K.unshift(I);I.currentTarget=H;var J=o.data(H,"handle");if(J){J.apply(H,K)}if(!H[G]||!(o.nodeName(H,"a")&&G=="click")&&H["on"+G]&&H["on"+G].apply(H,K)===false){I.result=false;if(!E&&H[G]&&!I.isDefaultPrevented()&&!(o.nodeName(H,"a")&&G=="click")){this.triggered=true;try{H[G]()}catch(L){}this.triggered=false;if(!I.isPropagationStopped()){var F=H.parentNode||H.ownerDocument;if(F){o.event.trigger(I,K,F,true)}}},handle:function(K){var J,E;K=arguments[0]=o.event.fix(K||I.event);K.currentTarget=this;var L=K.type.split(".");K.type=L.shift();J=!L.length&&!K.exclusive;var I=RegExp("(^|\\.|"+L.slice().sort().join(".*\\.|")+("\\.|$)");E=(o.data(this,"events")||{})[K.type];for(var G in E){var H=E[G];if(!H.test(H.type)){K.handler=H;K.data=H.data;var F=H.apply(this,arguments);if(F!==g){K.result=F;if(F===false){K.preventDefault();K.stopPropagation()}}if(K.isImmediatePropagationStopped()){break}}},props:"altKey attrChange attrName bubbles button cancelable charCode clientX clientY ctrlKey currentTarget data detail eventPhase fromElement handler keyCode metaKey newValue originalTarget pageX pageY prevValue relatedNode relatedTarget screenX screenY shiftKey srcElement target toElement view wheelDelta which".split(" ").fix:function(H){if(H[h]){return H}var F=H;H=o.Event(F);for(var G=this.props.length,J;G;){J=this.props[--G];H[J]=F[J]}if(!H.target){H.target=H.srcElement||document}if(H.target.nodeType==3){H.target=H.target.parentNode}if(!H.relatedTarget&&H.fromElement){H.relatedTarget=H.fromElement==H.target?H.toElement:H.fromElement}if(H.pageX==null&&H.clientX!=null){var I=document.documentElement,E=document.body;H.pageX=H.clientX+(I&&I.scrollLeft||E&&E.scrollLeft||0)-(I.clientWidth||0);H.pageY=H.clientY+(I&&I.scrollTop||E&&E.scrollTop||0)-(I.clientHeight||0)}if(!H.which&&(H.charCode||H.charCode===0)?H.charCode:H.keyCode){H.which=H.charCode||H.keyCode}if(!H.metaKey&&H.ctrlKey){H.metaKey=H.ctrlKey}if(!H.button){H.which=(H.button&1?1:(H.button&2?3:(H.button&4?2:0)))}return H},proxy:function(F,E){E=E||function(){return F.apply(this,arguments)};E.guid=F.guid=F.guid||E.guid||this.guid++;return E},special:{ready:{setup:B,teardown:function(){}},specialAll:{live:{setup:function(E,F){o.event.add(this,F[0],c)},teardown:function(G){if(G.length){var E=0,F=RegExp("(^|\\.|"+G[0]+"(\\.|$)");o.each((o.data(this,"events").live||{}),function(){if(F.test(this.s.type)){E++}});if(E<1){o.event.remove(this,G[0],c)}}}}};o.Event=function(E){if(!this.preventDefault){return new o.Event(E)}if(E&&E.type){this.originalEvent=E;this.type=E.type}else{this.type=E}this.timeStamp=e();this[h]=true};function k(){return false}function u(){return true}o.Event.prototype={preventDefault:function(){this.isDefaultPrevented=u;var E=this.originalEvent;if(!E){return}if(E.preventDefault){E.preventDefault()}E.returnValue=false},stopPropagation:function(){this.isPropagationStopped=u;var E=this.originalEvent;if(!E){return}if(E.stopPropagation){E.stopPropagation()}E.cancelBubble=true},stopImmediatePropagation:function(){this.isImmediatePropagationStopped=u;this.stopPropagation()},isDefaultPrevented:k,isPropagationStopped:k,isImmediatePropagationStopped:k};var a=function(F){var E=F.relatedTarget;while(E&&E!=this){try{E=E.parentNode}catch(G){E=this}}if(E!=this){F.type=F.data;o.event.handle.apply(this,arguments)};o.each({mouseover:"mouseenter",mouseout:"mous

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leave"},function(F,E){o.event.special[E]={setup:function(){o.event.add(this,F,a,E)},teardown:fun
ction(){o.event.remove(this,F,a)}}};o.fn.extend({bind:function(F,G,E){return
F=="unload"?this.one(F,G,E):this.each(function(){o.event.add(this,F,E||G,E&&G)}),one:function
(G,H,F){var
E=o.event.proxy(F||H,function(l){o(this).unbind(l,E);return(F||H).apply(this,arguments)});return
this.each(function(){o.event.add(this,G,E,F&&H)}),unbind:function(F,E){return
this.each(function(){o.event.remove(this,F,E)}),trigger:function(E,F){return
this.each(function(){o.event.trigger(E,F,this)}),triggerHandler:function(E,G){if(this[0]){var
F=o.Event(E);F.preventDefault();F.stopPropagation();o.event.trigger(F,G,this[0]);return
F.result}},toggle:function(G){var
E=arguments,F=1;while(F<E.length){o.event.proxy(G,E[F++])}return
this.click(o.event.proxy(G,function(H){this.lastToggle=(this.lastToggle||0)%F;H.preventDefault();r
eturn E[this.lastToggle++].apply(this,arguments)||false})),hover:function(E,F){return
this.mouseenter(E).mouseleave(F)},ready:function(E){B();if(o.isReady){E.call(document,o)}else{
o.readyList.push(E)}return this},live:function(G,F){var
E=o.event.proxy(F);E.guid+=this.selector+G;o(document).bind(i(G,this.selector),this.selector,E);
return
this},die:function(F,E){o(document).unbind(i(F,this.selector),E?{guid:E.guid+this.selector+F}:null
);return this}});function c(H){var
E=RegExp("(^|\\."+H.type+"(\\.|$)"),G=true,F=[];o.each(o.data(this,"events").live||[],function(I,J){i
f(E.test(J.type)){var
K=o(H.target).closest(J.data)[0];if(K){F.push({elem:K,fn:J})}});F.sort(function(J,I){return
o.data(J.elem,"closest")-
o.data(I.elem,"closest");o.each(F,function(){if(this.fn.call(this.elem,H,this.fn.data)===false){retu
rn(G=false)}});return G}function i(F,E){return["live",F,E.replace(/./g,"").replace(/
/g,"|")].join(".")};o.extend({isReady:false,readyList:[],ready:function(){if(!o.isReady){o.isReady=true;
if(o.readyList){o.each(o.readyList,function(){this.call(document,o)});o.readyList=null;o(docume
nt).triggerHandler("ready")}});var x=false;function
B(){if(x){return}x=true;if(document.addEventListener){document.addEventListener("DOMConten
tLoaded",function(){document.removeEventListener("DOMContentLoaded",arguments.callee,fa
lse);o.ready()},{false}}else{if(document.attachEvent){document.attachEvent("onreadystatechange
",function(){if(document.readyState==="complete"){document.detachEvent("onreadystatechange
",arguments.callee);o.ready()}};if(document.documentElement.doScroll&&I==I.top){(function(){i
f(o.isReady){return}try{document.documentElement.doScroll("left")}catch(E){setTimeout(argume
nts.callee,0);return}o.ready()})()}}o.event.add(I,"load",o.ready)}o.each(("blur,focus,load,resize,s
croll,unload,click,dblclick,mousedown,mouseup,mousemove,mouseover,mouseout,mouseenter,
mouseleave,change,select,submit,keydown,keypress,keyup,error").split(","),function(F,E){o.fn[E]
=function(G){return G?this.bind(E,G):this.trigger(E)};o(I).bind("unload",function(){for(var E in
o.cache){if(E!=1&&o.cache[E].handle){o.event.remove(o.cache[E].handle.elem)}});(function(){o.
support={};var
F=document.documentElement,G=document.createElement("script"),K=document.createElement("div"),J="script"+(new Date).getTime();K.style.display="none";K.innerHTML=
<link/><table></table><a href="/a"
style="color:red;float:left;opacity:.5;">a</a><select><option>text</option></select><object><par
am/></object></a>;var
H=K.getElementsByTagName("*"),E=K.getElementsByTagName("a")[0];if(!H||!H.length||!E){retu
rn}o.support={leadingWhitespace:K.firstChild.nodeType===3,tbody:!K.getElementsByTagName("
tbody").length,objectAll:!!K.getElementsByTagName("object")[0].getElementsByTagName("*").le
ngth,htmlSerialize:!!K.getElementsByTagName("link").length,style:/red/.test(E.getAttribute("style
")),hrefNormalized:E.getAttribute("href")==="/a",opacity:E.style.opacity===0.5,cssFloat:!!E.styl
e.cssFloat,scriptEval:false,noCloneEvent:true,boxModel:null};G.type="text/javascript";try{G.appe

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ndChild(document.createTextNode("window."+J+"=1;"));catch(l){F.insertBefore(G,F.firstChild);if
(![J]){o.support.scriptEval=true;delete
l[J]}F.removeChild(G);if(K.attachEvent&&K.fireEvent){K.attachEvent("onclick",function(){o.support.noCloneEvent=false;K.detachEvent("onclick",arguments.callee));K.cloneNode(true).fireEvent("onclick")}o(function(){var
L=document.createElement("div");L.style.width=L.style.paddingLeft="1px";document.body.appendChild(L);o.boxModel=o.support.boxModel=L.offsetWidth===2;document.body.removeChild(L).style.display="none"}});var
w=o.support.cssFloat?"cssFloat":"styleFloat";o.props={"for":"htmlFor","class":"className","float":"w,cssFloat:w,styleFloat:w,readonly":"readOnly",maxLength:"maxLength",cellspacing:"cellSpacing",rowspan:"rowSpan",tabindex:"tabIndex"};o.fn.extend({_load:o.fn.load,load:function(G,J,K){if(typeof G!="string"){return this._load(G)}var l=G.indexOf(" ");if(l>=0){var
E=G.slice(l,G.length);G=G.slice(0,l)}var
H="GET";if(J){if(o.isFunction(J)){K=J;J=null}else{if(typeof J=="object"){J=o.param(J);H="POST"}}}var
F=this;o.ajax({url:G,type:H,dataType:"html",data:J,complete:function(M,L){if(L=="success"||L=="notmodified"){F.html(E?o("<div/>").append(M.responseText.replace(/<script(.|\\s)*?</script>/g,""))).find(E):M.responseText)}if(K){F.each(K,[M.responseText,L,M])}}});return
this},serialize:function(){return o.param(this.serializeArray())},serializeArray:function(){return
this.map(function(){return this.elements?o.makeArray(this.elements):this}).filter(function(){return
this.name&&!this.disabled&&(this.checked||/select|textarea/i.test(this.nodeName)||/text|hidden|password|search/i.test(this.type))}).map(function(E,F){var G=o(this).val();return
G==null?null:o.isArray(G)?o.map(G,function(l,H){return{name:F.name,value:l}}):{name:F.name,value:G}}).get());o.each("ajaxStart,ajaxStop,ajaxComplete,ajaxError,ajaxSuccess,ajaxSend".split(", "),function(E,F){o.fn[F]=function(G){return this.bind(F,G)};var
r=e();o.extend({get:function(E,G,H,F){if(o.isFunction(G)){H=G;G=null}return
o.ajax({type:"GET",url:E,data:G,success:H,dataType:F}),getScript:function(E,F){return
o.get(E,null,F,"script")},getJSON:function(E,F,G){return
o.get(E,F,G,"json")},post:function(E,G,H,F){if(o.isFunction(G)){H=G;G={}}return
o.ajax({type:"POST",url:E,data:G,success:H,dataType:F}),ajaxSetup:function(E){o.extend(o.ajaxSettings,E),ajaxSettings:{url:location.href,global:true,type:"GET",contentType:"application/x-www-form-urlencoded",processData:true,async:true,xhr:function(){return l.ActiveXObject?new ActiveXObject("Microsoft.XMLHTTP"):new XMLHttpRequest(),accepts:{xml:"application/xml,text/xml",html:"text/html",script:"text/javascript,application/javascript",json:"application/json,text/javascript",text:"text/plain",_default:"*/*"},lastModified:{},ajax:function(M){M=o.extend(true,M,o.extend(true,{},o.ajaxSettings,M));var
W,F=/\?(&|$)/g,R,V,G=M.type.toUpperCase();if(M.data&&M.processData&&typeof M.data!="string"){M.data=o.param(M.data)}if(M.dataType=="jsonp"){if(G=="GET"){if(!M.url.match(F)){M.url+=(M.url.match(/\?/)?"&":"?")+ (M.jsonp||"callback")+ "=?"}else{if(!M.data||!M.data.match(F)){M.data=(M.data?M.data+"&":"")+ (M.jsonp||"callback")+ "=?"}M.dataType="json"}if(M.dataType=="json"&&(M.data&&M.data.match(F)||M.url.match(F))){W="jsonp"+r++;if(M.data){M.data=(M.data+"").replace(F,"="+W+"$1")}M.url=M.url.replace(F,"="+W+"$1");M.dataType="script";l[W]=function(X){V=X;l();l[W]=g;try{delete
l[W]}catch(Y){if(H){H.removeChild(T)}}}if(M.dataType=="script"&&M.cache==null){M.cache=false}if(M.cache===false&&G=="GET"){var E=e();var
U=M.url.replace(/(\?|&)_=.*?(&|$)/,"$1_="+E+"$2");M.url=U+((U==M.url)?(M.url.match(/\?/)?"&":"?")+ "_="+E:"")}if(M.data&&G=="GET"){M.url+=(M.url.match(/\?/)?"&":"?")+M.data;M.data=null}if(M.global&&!o.active++){o.event.trigger("ajaxStart")}var
Q=/^(w+)?\V([\V?#]+)/.exec(M.url);if(M.dataType=="script"&&G=="GET"&&Q[1]&&Q[1]!==location.protocol||Q[2]!==location.host){var H=document.getElementsByTagName("head")[0];var
T=document.createElement("script");T.src=M.url;if(M.scriptCharset){T.charset=M.scriptCharset}i

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f(!W){var
O=false;T.onload=T.onreadystatechange=function(){if(!O&&(!this.readyState||this.readyState=="
loaded"||this.readyState=="complete")){O=true;l();L();T.onload=T.onreadystatechange=null;H.re
moveChild(T)}}H.appendChild(T);return g}var K=false;var
J=M.xhr();if(M.username){J.open(G,M.url,M.async,M.username,M.password)}else{J.open(G,M.
url,M.async)}try{if(M.data){J.setRequestHeader("Content-
Type",M.contentType)}if(M.ifModified){J.setRequestHeader("If-Modified-
Since",o.lastModified[M.url]}|"Thu, 01 Jan 1970 00:00:00 GMT")}J.setRequestHeader("X-
Requested-
With","XMLHttpRequest");J.setRequestHeader("Accept",M.dataType&&M.accepts[M.dataType]
?M.accepts[M.dataType]+",
*/":M.accepts._default)}catch(S){if(M.beforeSend&&M.beforeSend(J,M)===false){if(M.global&
&!o.active){o.event.trigger("ajaxStop")}J.abort();return
false}if(M.global){o.event.trigger("ajaxSend",[J,M]}var
N=function(X){if(J.readyState==0){if(P){clearInterval(P);P=null;if(M.global&&!o.
active){o.event.trigger("ajaxStop")}}else{if(!K&&J&&(J.readyState==4||X=="timeout")){K=true;i
f(P){clearInterval(P);P=null}R=X=="timeout"?":!o.httpSuccess(J)?"error":M.ifModified&&
o.httpNotModified(J,M.url)?"notmodified":"success";if(R=="success"){try{V=o.httpData(J,M.data
Type,M)}catch(Z){R="parsererror"}if(R=="success"){var Y;try{Y=J.getResponseHeader("Last-
Modified")}catch(Z){if(M.ifModified&&Y){o.lastModified[M.url]=Y;if(!W){l()}}else{o.handleError(M
,J,R)}L();if(X){J.abort()}if(M.async){J=null}}};if(M.async){var
P=setInterval(N,13);if(M.timeout>0){setTimeout(function(){if(J&&!K){N("timeout")},M.timeout)}}tr
y{J.send(M.data)}catch(S){o.handleError(M,J,null,S)}if(!M.async){N()}function
l(){if(M.success){M.success(V,R)}if(M.global){o.event.trigger("ajaxSuccess",[J,M]}}function
L(){if(M.complete){M.complete(J,R)}if(M.global){o.event.trigger("ajaxComplete",[J,M]}}if(M.global
&&!o.active){o.event.trigger("ajaxStop")}}return
J},handleError:function(F,H,E,G){if(F.error){F.error(H,E,G)}if(F.global){o.event.trigger("ajaxError"
,[H,F,G]}}},active:0,httpSuccess:function(F){try{return
!F.status&&location.protocol=="file:"||(F.status>=200&&F.status<300)||F.status==304||F.status=
=1223}catch(E){}return false},httpNotModified:function(G,E){try{var
H=G.getResponseHeader("Last-Modified");return
G.status==304||H==o.lastModified[E]}catch(F){}return false},responseData:function(J,H,G){var
F=J.getResponseHeader("content-
type"),E=H=="xml"?!H&&F&&F.indexOf("xml")>=0,l=E?J.responseXML:J.responseText;if(E&&l.
documentElement.tagName=="parsererror"){throw"parsererror"}if(G&&G.dataFilter){l=G.dataFilt
er(l,H)}if(typeof
l=="string"){if(H=="script"){o.globalEval(l)}if(H=="json"){l=l["eval"]("("+"l+")}}return
l},param:function(E){var G=[];function
H(I,J){G[G.length]=encodeURIComponent(I)+"="+encodeURIComponent(J)}if(o.isArray(E)||E.jq
uery){o.each(E,function(){H(this.name,this.value)}))else{for(var F in
E){if(o.isArray(E[F])){o.each(E[F],function(){H(F,this)}}}else{H(F,o.isFunction(E[F])?E[F]():E[F])}}
}return G.join("&").replace(/%20/g,"+")};var
m={},n,d=[["height","marginTop","marginBottom","paddingTop","paddingBottom"],["width","margi
nLeft","marginRight","paddingLeft","paddingRight"],["opacity"];function t(F,E){var
G={};o.each(d.concat.apply([],d.slice(0,E)),function(){G[this]=F});return
G}o.fn.extend({show:function(J,L){if(J){return this.animate(t("show",3),J,L)}else{for(var
H=0,F=this.length;H<F;H++){var
E=o.data(this[H],"olddisplay");this[H].style.display=E||"";if(o.css(this[H],"display")===
"none"){var
G=this[H].tagName,K;if(m[G]){K=m[G]}else{var l=o("<"+G+
"/>").appendTo("body");K=l.css("display");if(K==="none"){K="block"}l.remove();m[G]=K}o.data(thi
s[H],"olddisplay",K)}}for(var
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H=0,F=this.length;H<F;H++){this[H].style.display=o.data(this[H],"olddisplay")||""}return
this}},hide:function(H,I){if(H){return this.animate(t("hide",3),H,I)}else{for(var
G=0,F=this.length;G<F;G++){var
E=o.data(this[G],"olddisplay");if(!E&&E!="none"){o.data(this[G],"olddisplay",o.css(this[G],"displ
ay"))}}for(var G=0,F=this.length;G<F;G++){this[G].style.display="none"}return
this}},_toggle:o.fn.toggle,toggle:function(G,F){var E=typeof G==="boolean";return
o.isFunction(G)&&o.isFunction(F)?this._toggle.apply(this,arguments):G==null||E?this.each(func
tion(){var
H=E?G:o(this).is(":hidden");o(this)[H?"show":"hide"]():this.animate(t("toggle",3),G,F)},fadeTo:fu
nction(E,G,F){return this.animate({opacity:G},E,F)},animate:function(I,F,H,G){var
E=o.speed(F,H,G);return this[E.queue===false?"each":"queue"](function(){var
K=o.extend({},E),M,L=this.nodeType===1&&o(this).is(":hidden"),J=this;for(M in
I){if(I[M]=="hide"&&L||I[M]=="show"&&!L){return
K.complete.call(this)}if((M=="height"||M=="width")&&this.style){K.display=o.css(this,"display");K.
overflow=this.style.overflow}}if(K.overflow!=null){this.style.overflow="hidden"}K.curAnim=o.exten
d({},I);o.each(I,function(O,S){var R=new
o.fx(J,K,O);if(/toggle|show|hide/.test(S)){R[S=="toggle"?L?"show":"hide":S](I)}else{var
Q=S.toString().match(/^([+-]=)?([\d+-.]+)(.*)$/),T=R.cur(true)||0;if(Q){var
N=parseFloat(Q[2]),P=Q[3]||"px";if(P!="px"){J.style[O]=(N||1)+P;T=((N||1)/R.cur(true))*T;J.style[
O]=T+P;if(Q[1]){N=((Q[1]=="-"?-1:1)*N)+T}R.custom(T,N,P)}else{R.custom(T,S,"")}}}};return
true}}),stop:function(F,E){var G=o.timers;if(F){this.queue([])}this.each(function(){for(var
H=G.length-1;H>=0;H--
){if(G[H].elem==this){if(E){G[H](true)}G.splice(H,1)}});if(!E){this.dequeue()}return
this}});o.each({slideDown:t("show",1),slideUp:t("hide",1),slideToggle:t("toggle",1),fadeIn:{opacity:
"show"},fadeOut:{opacity:"hide"}},function(E,F){o.fn[E]=function(G,H){return
this.animate(F,G,H)};o.extend({speed:function(G,H,F){var E=typeof
G==="object"?G:{complete:F||F&&H||o.isFunction(G)&&G,duration:G,easing:F&&H||H&&!o.isFu
nction(H)&&H};E.duration=o.fx.off?0:typeof
E.duration==="number"?E.duration:o.fx.speeds[E.duration]||o.fx.speeds._default;E.old=E.compl
ete;E.complete=function(){if(E.queue!==false){o(this).dequeue()}if(o.isFunction(E.old)){E.old.call
(this)}};return E},easing:{linear:function(G,H,E,F){return
E+F*G},swing:function(G,H,E,F){return((-
Math.cos(G*Math.PI)/2)+0.5)*F+E}},timers:[],fx:function(F,E,G){this.options=E;this.elem=F;this.p
rop=G;if(!E.orig){E.orig={}}};o.fx.prototype={update:function(){if(this.options.step){this.options.s
tep.call(this.elem,this.now,this)}(o.fx.step[this.prop]||o.fx.step._default)(this);if((this.prop=="heigh
t"||this.prop=="width")&&this.elem.style){this.elem.style.display="block"};cur:function(F){if(this.el
em[this.prop]!=null&&(!this.elem.style||this.elem.style[this.prop]==null)}{return
this.elem[this.prop]}var E=parseFloat(o.css(this.elem,this.prop,F));return E&&E>-
10000?E:parseFloat(o.curCSS(this.elem,this.prop))||0},custom:function(I,H,G){this.startTime=e(
);this.start=I;this.end=H;this.unit=G||this.unit||"px";this.now=this.start;this.pos=this.state=0;var
E=this;function F(J){return
E.step(J)}F.elem=this.elem;if(F())&&o.timers.push(F)&&!n){n=setInterval(function(){var
K=o.timers;for(var J=0;J<K.length;J++){if(!K[J]())K.splice(J--
,1)}if(!K.length){clearInterval(n);n=g}},13)},show:function(){this.options.orig[this.prop]=o.attr(this
.elem.style,this.prop);this.options.show=true;this.custom(this.prop=="width"||this.prop=="height"
?1:0,this.cur());o(this.elem).show();hide:function(){this.options.orig[this.prop]=o.attr(this.elem.st
yle,this.prop);this.options.hide=true;this.custom(this.cur(),0)},step:function(H){var
G=e();if(H||G>=this.options.duration+this.startTime){this.now=this.end;this.pos=this.state=1;this.
update();this.options.curAnim[this.prop]=true;var E=true;for(var F in
this.options.curAnim){if(this.options.curAnim[F]!==true){E=false}}if(E){if(this.options.display!=null
){this.elem.style.overflow=this.options.overflow;this.elem.style.display=this.options.display;if(o.c

```



```

ss(this.elem,"display")=="none"){this.elem.style.display="block"}if(this.options.hide){o(this.elem)
.hide()}if(this.options.hide||this.options.show){for(var l in
this.options.curAnim){o.attr(this.elem.style,l,this.options.orig[l])}this.options.complete.call(this.el
em)}return false}else{var J=G-
this.startTime;this.state=J/this.options.duration;this.pos=o.easing[this.options.easing||(o.easing.
swing?"swing":"linear")](this.state,J,0,1,this.options.duration);this.now=this.start+((this.end-
this.start)*this.pos);this.update()}return
true};o.extend(o.fx,{speeds:{slow:600,fast:200,_default:400},step:{opacity:function(E){o.attr(E.el
em.style,"opacity",E.now)},_default:function(E){if(E.elem.style&&E.elem.style[E.prop]!=null){E.el
em.style[E.prop]=E.now+E.unit}else{E.elem[E.prop]=E.now}}}});if(document.documentElement.
getBoundingClientRect){o.fn.offset=function(){if(!this[0]){return{top:0,left:0}}if(this[0]===this[0].o
wnerDocument.body){return o.offset.bodyOffset(this[0])}var
G=this[0].getBoundingClientRect(),J=this[0].ownerDocument,F=J.body,E=J.documentElement,L
=E.clientTop||F.clientTop||0,K=E.clientLeft||F.clientLeft||0,I=G.top+(self.pageYOffset||o.boxMode
l&&E.scrollTop||F.scrollTop)-
L,H=G.left+(self.pageXOffset||o.boxModel&&E.scrollLeft||F.scrollLeft)-
K;return{top:I,left:H}}else{o.fn.offset=function(){if(!this[0]){return{top:0,left:0}}if(this[0]===this[0].
ownerDocument.body){return
o.offset.bodyOffset(this[0])}o.offset.initialized||o.offset.initialize();var
J=this[0],G=J.offsetParent,F=J,O=J.ownerDocument,M,H=O.documentElement,K=O.body,L=O.
defaultView,E=L.getComputedStyle(J,null),N=J.offsetTop,I=J.offsetLeft;while((J=J.parentNode)
&&J!==K&&J!==H){M=L.getComputedStyle(J,null);N-=J.scrollTop,I-
=J.scrollLeft;if(J===G){N+=J.offsetTop,I+=J.offsetLeft;if(o.offset.doesNotAddBorder&&!(o.offset.
doesAddBorderForTableAndCells&&/^t(able|d|h)$/.test(J.tagName))){N+=parseInt(M.borderTop
Width,10)||0,I+=parseInt(M.borderLeftWidth,10)||0}F=G,G=J.offsetParent;if(o.offset.subtractsBor
derForOverflowNotVisible&&M.overflow!=="visible"){N+=parseInt(M.borderTopWidth,10)||0,I+=p
arseInt(M.borderLeftWidth,10)||0}E=M;if(E.position==="relative"||E.position==="static"){N+=K.off
setTop,I+=K.offsetLeft;if(E.position==="fixed"){N+=Math.max(H.scrollTop,K.scrollTop),I+=Math.
max(H.scrollLeft,K.scrollLeft)}return{top:N,left:I}}o.offset={initialize:function(){if(this.initialized){re
turn}var
L=document.body,F=document.createElement("div"),H,G,N,I,M,E,J=L.style.marginTop,K='<div
style="position:absolute;top:0;left:0;margin:0;border:5px solid
#000;padding:0;width:1px;height:1px;"><div></div></div><table
style="position:absolute;top:0;left:0;margin:0;border:5px solid
#000;padding:0;width:1px;height:1px;" cellpadding="0"
cellspacing="0"><tr><td></td></tr></table>';M={position:"absolute",top:0,left:0,margin:0,border:
0,width:"1px",height:"1px",visibility:"hidden"};for(E in
M){F.style[E]=M[E]}F.innerHTML=K;L.insertBefore(F,L.firstChild);H=F.firstChild,G=H.firstChild,I=
H.nextSibling.firstChild.firstChild;this.doesNotAddBorder=(G.offsetTop!==5);this.doesAddBorder
ForTableAndCells=(I.offsetTop===5);H.style.overflow="hidden",H.style.position="relative";this.s
ubtractsBorderForOverflowNotVisible=(G.offsetTop===-
5);L.style.marginTop="1px";this.doesNotIncludeMarginInBodyOffset=(L.offsetTop===0);L.style.
marginTop=J;L.removeChild(F);this.initialized=true},bodyOffset:function(E){o.offset.initialized||o.
offset.initialize();var
G=E.offsetTop,F=E.offsetLeft;if(o.offset.doesNotIncludeMarginInBodyOffset){G+=parseInt(o.cur
CSS(E,"marginTop",true),10)||0,F+=parseInt(o.curCSS(E,"marginLeft",true),10)||0}return{top:G,l
eft:F}};o.fn.extend({position:function(){var l=0,H=0,F;if(this[0]){var
G=this.offsetParent(),J=this.offset(),E=/^body|html$/i.test(G[0].tagName)?{top:0,left:0}:G.offset()
;J.top-=j(this,"marginTop");J.left-
=j(this,"marginLeft");E.top+=j(G,"borderTopWidth");E.left+=j(G,"borderLeftWidth");F={top:J.top-
E.top,left:J.left-E.left}}return F},offsetParent:function(){var

```

```

E=this[0].offsetParent||document.body;while(E&&(!/^body|html$/i.test(E.tagName)&&o.css(E,"position")!="static")){E=E.offsetParent}return o(E)}};o.each(["Left","Top"],function(F,E){var
G="scroll"+E;o.fn[G]=function(H){if(!this[0]){return null}return
H!=="g"?this.each(function(){this==||this==document?!.scrollTo(!F?H:o(l).scrollLeft(),F?H:o(l).scro
llTop()):this[G]=H}):this[0]==||this[0]==document?self[F?"pageYOffset":"pageXOffset"]||o.boxMo
del&&document.documentElement[G]||document.body[G]:this[0][G]}};o.each(["Height","Width"],
function(I,G){var
E=I?"Left":"Top",H=I?"Right":"Bottom",F=G.toLowerCase();o.fn["inner"+G]=function(){return
this[0]?o.css(this[0],F,false,"padding"):null};o.fn["outer"+G]=function(K){return
this[0]?o.css(this[0],F,false,K?"margin":"border"):null};var
J=G.toLowerCase();o.fn[J]=function(K){return
this[0]==||document.compatMode=="CSS1Compat"&&document.documentElement["client"+G]||
|document.body["client"+G]:this[0]==document?Math.max(document.documentElement["client"+
G],document.body["scroll"+G],document.documentElement["scroll"+G],document.body["offset"+
G],document.documentElement["offset"+G]):K=="g?(this.length?o.css(this[0],J):null):this.css(J,t
ypeof K=="string"?K:K+"px")}})});

```

```
using System;
using System.Data;
using System.Configuration;
using System.Web;
using System.Web.Security;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Web.UI.WebControls.WebParts;
using System.Web.UI.HtmlControls;
using System.Xml.Serialization;
using System.Text;
using System.IO;
using System.Data.SqlClient;
using Inovas.Common;
using System.Text.RegularExpressions;
```

```
namespace Inovas.NetPrice
```

```
{
    public class PageBase : System.Web.UI.Page
    {
        #region Fields

        private ApplicationContext _appContext = new ApplicationContext();

        private string _sqlInsert = string.Format("INSERT INTO {0} (GUID, SessionKey,
SessionXmlValue, Created) VALUES (@guid, @sessionKey, @sessionXmlValue, @created)",
AppConfig.AspSessionTable);

        private string _sqlSelect = string.Format("SELECT SessionXmlValue FROM {0} WHERE
GUID = @guid AND SessionKey=@sessionKey", AppConfig.AspSessionTable);

        private string _sqlDelete = string.Format("DELETE FROM {0} WHERE GUID = @guid",
AppConfig.AspSessionTable);

        private static object _lock = new object();
```

```
#endregion
```

```
protected override void OnInit(EventArgs e)
```

```
{
```

```
    base.OnInit(e);
```

```
    // if session guid doesn't exist, create new
```

```
    CreateSessionGuid();
```

```
    // Load context from database
```

```
    LoadContext();
```

```
}
```

```
/// <summary>
```

```
/// Get session guid from cookie
```

```
/// </summary>
```

```
/// <returns></returns>
```

```
protected string GetSessionGuid()
```

```
{
```

```
    string _guid = GetCookieValue("SessionGuid");
```

```
    string returnValue = string.Empty;
```

```
    if (!string.IsNullOrEmpty(_guid))
```

```
    {
```

```
        Regex regex = new Regex("[a-zA-Z0-9-]{36}$");
```

```
        if (regex.IsMatch(_guid))
```

```
            returnValue = _guid;
```

```
    }
```

```
    return returnValue;
```

```
}
```

```

/// <summary>
/// Create new session guid and save it to cookie
/// </summary>
/// <returns></returns>
protected string CreateSessionGuid()
{
    string guid = GetSessionGuid();
    if (string.IsNullOrEmpty(guid))
    {
        guid = Guid.NewGuid().ToString();
        SetCookieValue("SessionGuid", guid);
    }
    return guid;
}

```

```

/// <summary>
/// Client code has access only to getter
/// </summary>
public AppContext AppContext
{
    get { return _appContext; }
}

```

#region Session related methods

```

/// <summary>
/// Save AppContext into database
/// </summary>
protected void SaveContext()

```

```

    {
        lock (_lock)
        {
            XmlSerializer xmlSerializer = new XmlSerializer(typeof(AppContext));
            StringBuilder sb = new StringBuilder();
            using (StringWriter sw = new StringWriter(sb))
            {
                xmlSerializer.Serialize(sw, _appContext);
                sw.Flush();
                sw.Close();
                SaveAppContextToDatabase(GetSessionGuid(), "npAppContext", sb.ToString(),
true);
            }
        }
    }

```

/// <summary>

/// Save xml string into database

/// </summary>

/// <param name="sessionGuid"></param>

/// <param name="sessionKey"></param>

/// <param name="xmlString"></param>

/// <param name="deleteExisting"></param>

private void SaveAppContextToDatabase(string sessionGuid, string sessionKey, string xmlString, bool deleteExisting)

```

    {
        using (SqlConnection connection = new
SqlConnection(AppConfig.DefaultConnectionString))
        {
            connection.Open();

```

```

if (deleteExisting)
{
    using (SqlCommand command = new SqlCommand(_sqlDelete, connection))
    {
        command.CommandType = CommandType.Text;
        command.Parameters.AddWithValue("@guid", sessionGuid);
        command.ExecuteNonQuery();
    }
}

using (SqlCommand command = new SqlCommand(_sqlInsert, connection))
{
    command.CommandType = CommandType.Text;
    command.Parameters.AddWithValue("@guid", sessionGuid);
    command.Parameters.AddWithValue("@sessionKey", sessionKey);
    command.Parameters.AddWithValue("@sessionXmlValue", xmlString);
    command.Parameters.AddWithValue("@created", DateTime.Now);
    command.ExecuteNonQuery();
}
}

/// <summary>
/// Load AppContext from database
/// </summary>
protected void LoadContext()
{
    XmlSerializer xmlSerializer = new XmlSerializer(typeof(AppContext));
    string xml = LoadAppContextFromDatabase(GetSessionGuid(), "npAppContext");

```

```

if (!string.IsNullOrEmpty(xml))
{
    using (TextReader rd = new StringReader(xml))
    {
        AppContext tmpAppContext = (AppContext)xmlSerializer.Deserialize(rd);
        if (tmpAppContext != null)
        {
            _appContext = tmpAppContext;
        }
    }
}
else
{
    // If there is no context in database, create new and save it to database
    _appContext = new AppContext();
    SaveContext();
}
}

/// <summary>
/// Retrieves an object from DB session identified by the PageBase.SessionGuid and
supplied key
/// </summary>
/// <param name="key">DB session key to retrieve the object</param>
public string LoadAppContextFromDatabase(string sessionGuid, string sessionKey)
{
    using (SqlConnection connection = new
SqlConnection(AppConfig.DefaultConnectionString))
    {
        connection.Open();
    }
}

```



```

using (SqlCommand command = new SqlCommand(_sqlSelect, connection))
{
    command.CommandType = CommandType.Text;
    command.Parameters.AddWithValue("@guid", sessionGuid);
    command.Parameters.AddWithValue("@sessionKey", sessionKey);
    using (SqlDataReader reader =
command.ExecuteReader(CommandBehavior.CloseConnection))
    {
        if (reader.Read())
        {
            return reader.IsDBNull(0) ? string.Empty : reader[0].ToString();
        }
    }
}
return string.Empty;
}

```

#endregion

#region Cookie related methods

```

/// <summary>
/// Retrieves string value from cookie
/// </summary>
/// <param name="key">Cookie key</param>
/// <returns>String value</returns>
public string GetCookieValue(string cookieName)
{

```

```

    HttpCookie cookie = this.Request.Cookies[cookieName];
    if (cookie != null && !string.IsNullOrEmpty(cookie.Value))
        return (string)cookie.Value;
    else
        return null;
}

/// <summary>
/// Saves string value to cookie.
/// </summary>
/// <param name="key">Cookie key</param>
/// <param name="value">Object to be stored into cookie</param>
/// <param name="context">HttpContext with Request/Response</param>
public void SetCookieValue(string cookieName, string value)
{
    HttpCookie cookie = new HttpCookie(cookieName, value);
    if (this.Request.IsSecureConnection == true)
        cookie.Secure = true;
    if (this.Request.Cookies[cookieName] != null)
        this.Response.Cookies.Remove(cookieName);
    this.Response.Cookies.Add(cookie);
}

#endregion
}
}

```

```
using System;
using System.Data;
using System.Configuration;
using System.Web;
using System.Web.Security;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Web.UI.WebControls.WebParts;
using System.Web.UI.HtmlControls;
using System.Xml.Serialization;
using System.Xml;
using System.Xml.Schema;
using System.Collections.Generic;
```

```
namespace Inovas.NetPrice
```

```
{
    [Serializable]
    public class AppContext: IXmlSerializable
    {
        #region Fields
        private XmlDocument _xmlDocument;
        private int _yearIndex = -1;
        private string _yearText = string.Empty;
        private InstitutionType _institutionType;

        // Fields used when uploading XML files. These fields are not stored in database
        private string _institutionId;
        private string _institutionName;
        private string _institutionBanner;
```

```

// Variables for Institution type: academic
private bool? _institutionallyControlledHousingOffered = null;
private bool? _studentsRequiredLiveOnCampusOrHousing = null;
private bool? _institutionChargeDifferentTuition = null;
private bool? _chargeForInDistrict = null;
private bool? _chargeForInState = null;
private bool? _chargeOutOfState = null;

// Variables for Institution type: program
private int? _numberOfMonths = null;
private string _largestProgram = null;

// variables to store user numbers
private KeyValue[] _poaValues;
private KeyValue[] _tgaValues;

// Percentage
private int? _percentage;

// Explanations
private string _explanation1 = string.Empty;
private string _explanation2 = string.Empty;
private string _explanation3 = string.Empty;

private int _tuitionInDistrict = 0;
private int _tuitionInState = 0;
private int _tuitionOutOfState = 0;
private int _tuitionAmount = 0;

```

```
private int _booksAndSupplies = 0;

private int _livingOnCampus = 0;
private int _livingOffCampus = 0;
private int _livingOffCampusWithFamily = 0;

private int _otherOnCampus = 0;
private int _otherOffCampus = 0;
private int _otherOffCampusWithFamily = 0;

#endregion
```

```
#region Properties
```

```
public InstitutionType InstitutionType
{
    get { return _institutionType; }
    set { _institutionType = value; }
}
```

```
public int YearIndex
{
    get { return _yearIndex; }
    set { _yearIndex = value; }
}
```

```
public string YearText
{
```

```
    get { return _yearText; }  
    set { _yearText = value; }  
}
```

```
public string InstitutionId  
{  
    get { return _institutionId; }  
    set { _institutionId = value; }  
}
```

```
public string InstitutionName  
{  
    get { return _institutionName; }  
    set { _institutionName = value; }  
}
```

```
public string InstitutionBanner  
{  
    get { return _institutionBanner; }  
    set { _institutionBanner = value; }  
}
```

```
/// <summary>
```

```
/// Does your institution offer institutionally controlled housing?
```

```
/// </summary>
```

```
public bool? InstitutionallyControlledHousingOffered
```

```
{
    get { return _institutionallyControlledHousingOffered; }
    set { _institutionallyControlledHousingOffered = value; }
}
```

```
/// <summary>
```

```
/// Are all full-time, first-time degree/certificate seeking students required to live on campus
or in institutionally-controlled housing?
```

```
/// </summary>
```

```
public bool? StudentsRequiredLiveOnCampusOrHousing
```

```
{
    get { return _studentsRequiredLiveOnCampusOrHousing; }
    set { _studentsRequiredLiveOnCampusOrHousing = value; }
}
```

```
/// <summary>
```

```
/// Does your institution charge different tuition for in-district, in-state, or out-of-state
students?
```

```
/// </summary>
```

```
public bool? InstitutionChargeDifferentTuition
```

```
{
    get { return _institutionChargeDifferentTuition; }
    set { _institutionChargeDifferentTuition = value; }
}
```

```
/// <summary>
```

```
/// Charge for In-District
```

```
/// </summary>
```

```
public bool? ChargeForInDistrict
```

```
{
```

```
    get { return _chargeForInDistrict; }
    set { _chargeForInDistrict = value; }
}
```

```
/// <summary>
```

```
/// Charge for In-State
```

```
/// </summary>
```

```
public bool? ChargeForInState
```

```
{
    get { return _chargeForInState; }
    set { _chargeForInState = value; }
}
```

```
/// <summary>
```

```
/// Charge for out-of-state
```

```
/// </summary>
```

```
public bool? ChargeForOutOfState
```

```
{
    get { return _chargeOutOfState; }
    set { _chargeOutOfState = value; }
}
```

```
/// <summary>
```

```
/// Average number of months it takes a full-time student to complete this program:
```

```
/// </summary>
```

```
public int? NumberOfMonths
```

```
{
    get { return _numberOfMonths; }
    set { _numberOfMonths = value; }
}
```



```

}

/// <summary>
/// Largest Program
/// </summary>
public string LargestProgram
{
    get { return _largestProgram; }
    set { _largestProgram = value; }
}

/// <summary>
/// User input for POA
/// </summary>
public KeyValue[] PoaValues
{
    get { return this._poaValues; }
    set { this._poaValues = value; }
}

/// <summary>
/// User input for TGA
/// </summary>
public KeyValue[] TgaValues
{
    get { return this._tgaValues; }
    set { this._tgaValues = value; }
}

```

```
/// <summary>
/// Percentage of all first-time, full-time students received any grants or scholarship aid
/// </summary>
public int? Percentage
{
    get { return this._percentage; }
    set { this._percentage = value; }
}
```

```
/// <summary>
/// Explanation 1
/// </summary>
public string Explanation1
{
    get { return _explanation1; }
    set { _explanation1 = value; }
}
```

```
/// <summary>
/// Explanation 2
/// </summary>
public string Explanation2
{
    get { return _explanation2; }
    set { _explanation2 = value; }
}
```

```
/// <summary>
/// Explanation 3
```

```

/// </summary>
public string Explanation3
{
    get { return _explanation3; }
    set { _explanation3 = value; }
}

public int TuitionInDistrinct
{
    get { return _tuitionInDistrinct; }
    set { _tuitionInDistrinct = value; }
}

public int TuitionInState
{
    get { return _tuitionInState; }
    set { _tuitionInState = value; }
}

public int TuitionOutOfState
{
    get { return _tuitionOutOfState; }
    set { _tuitionOutOfState = value; }
}

public int TuitionAmount
{
    get { return _tuitionAmount; }
    set { _tuitionAmount = value; }
}

public int BooksAndSupplies
{

```

```

    get { return _booksAndSupplies; }
    set { _booksAndSupplies = value; }
}
public int LivingOnCampus
{
    get { return _livingOnCampus; }
    set { _livingOnCampus = value; }
}
public int LivingOffCampus
{
    get { return _livingOffCampus; }
    set { _livingOffCampus = value; }
}
public int LivingOffCampusWithFamily
{
    get { return _livingOffCampusWithFamily; }
    set { _livingOffCampusWithFamily = value; }
}
public int OtherOnCampus
{
    get { return _otherOnCampus; }
    set { _otherOnCampus = value; }
}
public int OtherOffCampus
{
    get { return _otherOffCampus; }
    set { _otherOffCampus = value; }
}
public int OtherOffCampusWithFamily

```

```
{
    get { return _otherOffCampusWithFamily; }
    set { _otherOffCampusWithFamily = value; }
}
```

#endregion

#region IXmlSerializable Members

```
public XmlSchema GetSchema()
```

```
{
    return null;
}
```

```
public void ReadXml(XmlReader reader)
```

```
{
    _xmlDocument = new XmlDocument();
    _xmlDocument.LoadXml(reader.ReadOuterXml());
```

```
    YearIndex = int.Parse(ReadString("yearIndex"));
```

```
    YearText = ReadString("yearText");
```

```
    InstitutionType = NetPriceUtils.ParseInstitutionType(ReadString("institutionType"));
```

```
    InstitutionallyControlledHousingOffered =
ReadBoolean("InstitutionallyControlledHousingOffered");
```

```
    StudentsRequiredLiveOnCampusOrHousing =
ReadBoolean("StudentsRequiredLiveOnCampusOrHousing");
```

```
    InstitutionChargeDifferentTuition = ReadBoolean("InstitutionChargeDifferentTuition");
```

```
    ChargeForInDistrict = ReadBoolean("ChargeForInDistrict");
```

```
    ChargeForInState = ReadBoolean("ChargeForInState");
```

```

ChargeForOutOfState = ReadBoolean("ChargeForOutOfState");

NumberOfMonths = ReadInt32("NumberOfMonths");
LargestProgram = ReadString("LargestProgram");

PoaValues = ReadKeyValueArray("PoaValues");
TgaValues = ReadKeyValueArray("TgaValues");

Percentage = ReadInt32("Percentage");

// For explanations, by default return empty strings
Explanation1 = ReadString("Explanation1") ?? string.Empty;
Explanation2 = ReadString("Explanation2") ?? string.Empty;
Explanation3 = ReadString("Explanation3") ?? string.Empty;

TuitionInDistrinct = ReadInt32("TuituinInDistrinct") ?? 0;
TuitionInState = ReadInt32("TuituinInState") ?? 0;
TuitionOutOfState = ReadInt32("TuituinOutOfState") ?? 0;
TuitionAmount = ReadInt32("TuituinAmount") ?? 0;
BooksAndSupplies = ReadInt32("BooksAndSupplies") ?? 0;
LivingOnCampus = ReadInt32("LivingOnCampus") ?? 0;
LivingOffCampus = ReadInt32("LivingOffCampus") ?? 0;
LivingOffCampusWithFamily = ReadInt32("LivingOffCampusWithFamily") ?? 0;
OtherOnCampus = ReadInt32("OtherOnCampus") ?? 0;
OtherOffCampus = ReadInt32("OtherOffCampus") ?? 0;
OtherOffCampusWithFamily = ReadInt32("OtherOffCampusWithFamily") ?? 0;

}

```

```

public void WriteXml(XmlWriter writer)
{
    writer.WriteElementString("yearIndex", HttpUtility.HtmlEncode(YearIndex.ToString()));
    writer.WriteElementString("yearText", HttpUtility.HtmlEncode(YearText));
    writer.WriteElementString("institutionType",
HttpUtility.HtmlEncode(Convert.ToInt32(InstitutionType).ToString()));

    if(InstitutionallyControlledHousingOffered.HasValue)
        writer.WriteElementString("InstitutionallyControlledHousingOffered",
InstitutionallyControlledHousingOffered.ToString());
    else
        writer.WriteElementString("InstitutionallyControlledHousingOffered", null);

    if (StudentsRequiredLiveOnCampusOrHousing.HasValue)
        writer.WriteElementString("StudentsRequiredLiveOnCampusOrHousing",
StudentsRequiredLiveOnCampusOrHousing.ToString());
    else
        writer.WriteElementString("StudentsRequiredLiveOnCampusOrHousing", null);

    if (InstitutionChargeDifferentTuition.HasValue)
        writer.WriteElementString("InstitutionChargeDifferentTuition",
InstitutionChargeDifferentTuition.ToString());
    else
        writer.WriteElementString("InstitutionChargeDifferentTuition", null);

    if (ChargeForInDistrict.HasValue)
        writer.WriteElementString("ChargeForInDistrict", ChargeForInDistrict.ToString());
    else
        writer.WriteElementString("ChargeForInDistrict", null);

    if (ChargeForInState.HasValue)

```

```

        writer.WriteElementString("ChargeForInState", ChargeForInState.ToString());
    else
        writer.WriteElementString("ChargeForInState", null);

    if (ChargeForOutOfState.HasValue)
        writer.WriteElementString("ChargeForOutOfState", ChargeForOutOfState.ToString());
    else
        writer.WriteElementString("ChargeForOutOfState", null);

    if (NumberOfMonths.HasValue)
        writer.WriteElementString("NumberOfMonths", NumberOfMonths.ToString());
    else
        writer.WriteElementString("NumberOfMonths", null);

    if (!string.IsNullOrEmpty(LargestProgram))
        writer.WriteElementString("LargestProgram", LargestProgram.ToString());
    else
        writer.WriteElementString("LargestProgram", null);

    WriteKeyValueArray(writer, "PoaValues", this.PoaValues);
    WriteKeyValueArray(writer, "TgaValues", this.TgaValues);

    writer.WriteElementString("Percentage", Percentage.GetValueOrDefault(0).ToString());
    writer.WriteElementString("Explanation1", Explanation1);
    writer.WriteElementString("Explanation2", Explanation2);
    writer.WriteElementString("Explanation3", Explanation3);

```



```

writer.WriteElementString("TuituinInDistrinct", TuitionInDistrinct.ToString());
writer.WriteElementString("TuituinInState", TuitionInState.ToString());
writer.WriteElementString("TuituinOutOfState", TuitionOutOfState.ToString());
writer.WriteElementString("TuituinAmount", TuitionAmount.ToString());
writer.WriteElementString("BooksAndSupplies", BooksAndSupplies.ToString());
writer.WriteElementString("LivingOnCampus", LivingOnCampus.ToString());
writer.WriteElementString("LivingOffCampus", LivingOffCampus.ToString());
writer.WriteElementString("LivingOffCampusWithFamily",
LivingOffCampusWithFamily.ToString());
writer.WriteElementString("OtherOnCampus", OtherOnCampus.ToString());
writer.WriteElementString("OtherOffCampus", OtherOffCampus.ToString());
writer.WriteElementString("OtherOffCampusWithFamily",
OtherOffCampusWithFamily.ToString());

}

private string ReadString(string name)
{
    if (!string.IsNullOrEmpty(_xmlDocument.SelectSingleNode("//" + name).InnerText))
        return _xmlDocument.SelectSingleNode("//" + name).InnerText;
    else
        return null;
}

private bool? ReadBoolean(string name)
{
    bool? result = null;
    if (!string.IsNullOrEmpty(_xmlDocument.SelectSingleNode("//" + name).InnerText))

```

```

        result = bool.Parse(_xmlDocument.SelectSingleNode("//" + name).InnerText);
    return result;
}

private int? ReadInt32(string name)
{
    int? result = null;
    if (!string.IsNullOrEmpty(_xmlDocument.SelectSingleNode("//" + name).InnerText))
        result = int.Parse(_xmlDocument.SelectSingleNode("//" + name).InnerText);
    return result;
}

private void WriteKeyValueArray(XmlWriter xmlWriter, string name, KeyValue[]
arrKeyValue)
{
    xmlWriter.WriteStartElement(name);
    if (arrKeyValue != null)
    {
        for (int i = 0; i < arrKeyValue.Length; i++)
        {
            xmlWriter.WriteStartElement("Item");
            xmlWriter.WriteAttributeString("AutoGenerated",
arrKeyValue[i].AutoGenerated.ToString().ToLower());
            xmlWriter.WriteElementString(HttpUtility.HtmlEncode(arrKeyValue[i].Key),
HttpUtility.HtmlEncode(arrKeyValue[i].Value));
            xmlWriter.WriteEndElement();
        }
    }
    xmlWriter.WriteEndElement();
}

```

```

private KeyValue[] ReadKeyValueArray(string name)
{
    List<KeyValue> listKeyValues = new List<KeyValue>();
    foreach (XmlNode xmlNode in _xmlDocument.SelectNodes(String.Format("/{0}/Item",
name)))
    {
        bool autoGenerated =
Boolean.Parse(HttpUtility.HtmlDecode(xmlNode.Attributes["AutoGenerated"].Value));
        string key = HttpUtility.HtmlDecode(xmlNode.ChildNodes[0].Name);
        string value = HttpUtility.HtmlDecode(xmlNode.ChildNodes[0].InnerText);
        listKeyValues.Add(new KeyValue(key, value, autoGenerated));
    }

    KeyValue[] arrKeyValue = new KeyValue[listKeyValues.Count];
    for (int i = 0; i < listKeyValues.Count; i++)
        arrKeyValue[i] = listKeyValues[i];

    return arrKeyValue;
}

#endregion

public AppContext()
{
}

}

/// <summary>

```

```

/// Represents type of institution
/// </summary>
public enum InstitutionType
{
    Unknown = 0,
    Academic = 1,
    Program = 2
}

/// <summary>
/// Class is used to store key/value pairs
/// </summary>
public class KeyValue
{
    public KeyValue(string key, string value, bool autoGenerated)
    {
        this.key = key;
        this.value = value;
        this.autoGenerated = autoGenerated;
    }
    private string key;
    private string value;
    private bool autoGenerated;

    public string Key
    {
        get { return this.key; }
        set { this.key = value; }
    }
}

```

```
public string Value
{
    get { return this.value; }
    set { this.value = value; }
}

public bool AutoGenerated
{
    get { return autoGenerated; }
    set { autoGenerated = value; }
}
}
```

```
using System;
using System.Data;
using System.Configuration;
using System.Web;
using System.Web.Security;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Web.UI.WebControls.WebParts;
using System.Web.UI.HtmlControls;
using System.Text;
using System.IO;
using System.Data.SqlClient;
using Inovas.Common.Data;
using ICSsharpCode.SharpZipLib.Zip;
```

```
namespace Inovas.NetPrice
```

```
{
    /// <summary>
    /// Utility class for NetPrice
    /// </summary>
    public class NetPriceUtils
    {
        public NetPriceUtils()
        {
        }

        /// <summary>
        /// Convert number to InstitutionType enum
        /// </summary>
```

```

/// <param name="institutionTypeNumber">string variable that represents number</param>
/// <returns>InstitutionType</returns>
public static InstitutionType ParseInstitutionType(string institutionTypeNumber)
{
    int institutionType = -1;
    InstitutionType returnValue = InstitutionType.Unknown;
    if (int.TryParse(institutionTypeNumber, out institutionType))
    {
        try
        {
            returnValue = (InstitutionType)institutionType;
        }
        catch {}
    }
    return returnValue;
}

/// <summary>
/// Method accepts ApplicationContext and returns string contains HTML page
/// </summary>
/// <param name="appContext"></param>
/// <returns></returns>
public static string GenerateHtmlText(ApplicationContext appContext)
{
    return NetPriceUtils.GenerateHtmlText(appContext, null, null);
}

/// <summary>
/// Method accepts ApplicationContext and returns string contains HTML page

```

```

/// </summary>
/// <param name="appContext"></param>
/// <returns></returns>
public static string GenerateHtmlText(AppContext appContext, string instName, string
welcomeMessage)
{
    string htmlContent = string.Empty;

    // ORIGINAL CODE FROM BGP
    StringBuilder sbPoa = new StringBuilder();
    StringBuilder sbTga = new StringBuilder();
    StringBuilder extraJS = new StringBuilder();
    StringBuilder jsVariables = new StringBuilder();
    string jsInstitutionWelcomeWindows = string.Empty;

    // "1"-yes, "0"-no
    string oncampus = "0";
    string offcampuswithfamily = "1"; // by default it is visible
    string offcampusnotwithfamily = "1"; // by default it is visible

    string indistrict = "0";
    string instate = "0";
    string outofstate = "0";

    int _livingstauts = 0;
    int _residencystatus = 0;
    int _residencyValueCounter = 0;
    int _livingStatusValueCounter = 0;

```



```

    if (appContext.InstitutionallyControlledHousingOffered.HasValue &&
appContext.InstitutionallyControlledHousingOffered.Value == true)
    {
        oncampus = "1";

        if (appContext.StudentsRequiredLiveOnCampusOrHousing.HasValue &&
appContext.StudentsRequiredLiveOnCampusOrHousing.Value == true)
        {
            offcampusnotwithfamily = "0";
            offcampuswithfamily = "0";
        }
    }

    if (appContext.InstitutionChargeDifferentTuition.HasValue &&
appContext.InstitutionChargeDifferentTuition.Value == true)
    {
        if (appContext.ChargeForInDistrict.HasValue &&
appContext.ChargeForInDistrict.Value == true)
            indistrict = "1";

        if (appContext.ChargeForInState.HasValue && appContext.ChargeForInState.Value
== true)
            instate = "1";

        if (appContext.ChargeForOutOfState.HasValue &&
appContext.ChargeForOutOfState.Value == true)
            outofstate = "1";
    }

    else if (appContext.InstitutionChargeDifferentTuition.HasValue &&
appContext.InstitutionChargeDifferentTuition.Value == false)
    {
        outofstate = "0";
        indistrict = "0";
        instate = "0";
    }

```

```

}

if (appContext.PoaValues.Length != 0 && appContext.TgaValues.Length != 0)
{

    #region Build JavaScript POA and TGA arrays

    /////
    // POA arrays
    /////

    int counter = 0;

    int numberOfColumnsInArray = GetNumberOfResidencyLivingColumns(appContext) *
    GetNumberOfLivingStatusColumns(appContext);

    for (int i = 0; i < appContext.PoaValues.Length; i++)
    {
        if (i % numberOfColumnsInArray == 0)
        {
            counter++;

            if (counter != 1)
                sbPoa.AppendLine(";");

            if (counter == 1)
                sbPoa.Append("POA_Total = [");
            else if (counter == 2)
                sbPoa.Append("POA_TRF = [");
            else if (counter == 3)
                sbPoa.Append("POA_BS = [");
            else if (counter == 4)

```

```

        sbPoa.Append("POA_RB = [");
    else if (counter == 5)
        sbPoa.Append("POA_O = [");
    sbPoa.AppendFormat("{0}", appContext.PoaValues[i].Value);
}
else
{
    sbPoa.AppendFormat(",{0}", appContext.PoaValues[i].Value);
}
}
if (counter > 0)
    sbPoa.AppendLine(";");

/////
// TGA arrays
/////
counter = 0;
for (int i = 0; i < appContext.TgaValues.Length; i++)
{
    if (i % numberOfColumnsInArray == 0)
    {
        counter++;

        if (counter != 1)
            sbTga.AppendLine(";");

        if (counter == 1)
            sbTga.Append("TGA_0 = [");
        else if (counter == 2)

```

```

        sbTga.Append("TGA_1_1000 = [");
    else if (counter == 3)
        sbTga.Append("TGA_1001_2500 = [");
    else if (counter == 4)
        sbTga.Append("TGA_2501_5000 = [");
    else if (counter == 5)
        sbTga.Append("TGA_5001_7500 = [");
    else if (counter == 6)
        sbTga.Append("TGA_7501_10000 = [");
    else if (counter == 7)
        sbTga.Append("TGA_10001_12500 = [");
    else if (counter == 8)
        sbTga.Append("TGA_12501_15000 = [");
    else if (counter == 9)
        sbTga.Append("TGA_15001_20000 = [");
    else if (counter == 10)
        sbTga.Append("TGA_20001_30000 = [");
    else if (counter == 11)
        sbTga.Append("TGA_30001_40000 = [");
    else if (counter == 12)
        sbTga.Append("TGA_40000 = [");
    else if (counter == 13)
        sbTga.Append("TGA_NFAFSA = [");
    sbTga.AppendFormat(""{0}"", appContext.TgaValues[i].Value);
}
else
{
    sbTga.AppendFormat("'{0}'", appContext.TgaValues[i].Value);
}

```

```

    }
    if (counter > 0)
        sbTga.AppendLine("");
#endregion

// Read Template File
string filePath = System.Web.HttpContext.Current.Server.MapPath("npc_temp.htm");

// Read content of npc_temp.htm
using (StreamReader sr = File.OpenText(filePath))
{
    htmlContent = sr.ReadToEnd();
}
if (!string.IsNullOrEmpty(htmlContent))
{
    #region pop up window with institution name and welcome message
    if (!string.IsNullOrEmpty(instName))
    {
        if (string.IsNullOrEmpty(welcomeMessage))
            welcomeMessage = string.Empty;

        htmlContent = htmlContent.Replace("##POPUP-INSTNM##",
instName).Replace("##POPUP-MESSAGE##",
welcomeMessage.Replace(Environment.NewLine, "<br />"));

        jsInstitutionWelcomeWindows = "var showWelcomeMessage = true;
openInstitutionNameWindow(";
    }
    else
        jsInstitutionWelcomeWindows = "var showWelcomeMessage = false;";
}

```

```

#endregion

// *****

// Show/Hide Living Status: On-campus
if (oncampus == "0")
{
    // Hide On-Campus
    extraJS.AppendLine("HideTag('s_ls_0');");
    _livingstauts++;
}
else
{
    htmlContent = htmlContent.Replace("##rb_livingstatus_0##",
_livingStatusValueCounter.ToString());
    _livingStatusValueCounter++;
}
// Show/Hide Living Status: Off-campus with family
if (offcampuswithfamily == "0")
{
    // Hide Off-Campus with family
    extraJS.AppendLine("HideTag('s_ls_1');");
    _livingstauts++;
}
else
{
    htmlContent = htmlContent.Replace("##rb_livingstatus_1##",
_livingStatusValueCounter.ToString());
    _livingStatusValueCounter++;
}
// Show/Hide Living Status: Off-campus NOT with family

```

```

if (offcampusnotwithfamily == "0")
{
    // Hide Off-Campus not with family
    extraJS.AppendLine("HideTag('s_ls_2');");
    _livingstauts++;
}
else
{
    htmlContent = htmlContent.Replace("##rb_livingstatus_2##",
_livingStatusValueCounter.ToString());
    _livingStatusValueCounter++;
}

if (_livingstauts == 3)
{
    // Hide Living Status Question
    extraJS.AppendLine("HideTag('tr_ls');");
    extraJS.AppendLine("npc1_livingstatus = -1;");
}
else if (_livingstauts == 2)
{
    // Hide Living Status Question
    extraJS.AppendLine("HideTag('tr_ls');");
    extraJS.AppendLine("npc1_livingstatus = '0';");
    extraJS.AppendLine("npc1_isdefaultlivingstatus = '1';");
}

extraJS.AppendLine(string.Format("numberoflivingstatus = {0};",
_livingStatusValueCounter));

```

```

// *****
// Show/Hide residency status
// In-district
if (indistrict == "0")
{
    // Hide In-District
    extraJS.AppendLine("HideTag('s_rs_0');");
    _residencystatus++;
}
else
{
    htmlContent = htmlContent.Replace("##rb_residencystatus_0##",
_residencyValueCounter.ToString());
    _residencyValueCounter++;
}

// In-state
if (instate == "0")
{
    // Hide In-state
    extraJS.AppendLine("HideTag('s_rs_1');");
    _residencystatus++;
}
else
{
    htmlContent = htmlContent.Replace("##rb_residencystatus_1##",
_residencyValueCounter.ToString());
    _residencyValueCounter++;
}

// Out-of-state

```



```

if (outofstate == "0")
{
    // Hide out-of-state
    extraJS.AppendLine("HideTag('s_rs_2');");
    _residencystatus++;
}
else
{
    htmlContent = htmlContent.Replace("###rb_residencystatus_2###",
_residencyValueCounter.ToString());
    _residencyValueCounter++;
}

if (_residencystatus == 3)
{
    // Hide Residency Status Question
    extraJS.AppendLine("HideTag('tr_rs');");
    extraJS.AppendLine("npc1_residencystatus = -1;");
}
else if (_residencystatus == 2)
{
    // Hide Residency Status Question
    extraJS.AppendLine("HideTag('tr_rs');");
    extraJS.AppendLine("npc1_residencystatus = '0';");
    extraJS.AppendLine("npc1_isdefaultresidencystatus = '1';");
}

if (appContext.StudentsRequiredLiveOnCampusOrHousing.HasValue &&
appContext.StudentsRequiredLiveOnCampusOrHousing.Value == true)
    extraJS.AppendLine("ShowTag('tr_requiredliveoncampus');");

```

```

// -----

// Add POA & TGA Dictionary

htmlContent = htmlContent.Replace("////JAVASCRIPT ARRAYS////",
sbPoa.ToString() + sbTga.ToString());

// Replace Year
if (!string.IsNullOrEmpty(appContext.YearText))
    htmlContent = htmlContent.Replace("##YEAR##", appContext.YearText);
else
    htmlContent = htmlContent.Replace("##YEAR##", "0000");

// Replace Percent

htmlContent = htmlContent.Replace("##PERCENT##",
appContext.Percentage.GetValueOrDefault(0).ToString());

// Replace explanations
string explanation1 = "";
if (!string.IsNullOrEmpty(appContext.Explanation1))
    explanation1 = appContext.Explanation1.Replace("\n", "<br />");
string explanation2 = "";
if (!string.IsNullOrEmpty(appContext.Explanation2))
    explanation2 = appContext.Explanation2.Replace("\n", "<br />");
string explanation3 = "";
if (!string.IsNullOrEmpty(appContext.Explanation3))
    explanation3 = appContext.Explanation3.Replace("\n", "<br />");

htmlContent = htmlContent.Replace("##ADDITIONAL INFORMATION1##",
explanation1);

htmlContent = htmlContent.Replace("##ADDITIONAL INFORMATION2##",
explanation2);

```

```

        htmlContent = htmlContent.Replace("###ADDITIONAL INFORMATION3###",
explanation3);

        if (appContext.InstitutionType == InstitutionType.Program)
        {
            htmlContent = htmlContent.Replace("###LARGESTPROGRAM###",
appContext.LargestProgram);

            htmlContent = htmlContent.Replace("###NUMBEROFMONTHS###",
appContext.NumberOfMonths.GetValueOrDefault(0).ToString());

            htmlContent = htmlContent.Replace("###STYLEDISPLAYACADEMIC###",
"display:none;");

            htmlContent = htmlContent.Replace("###STYLEDISPLAYPROGRAM###", "");
        }
        else
        {
            htmlContent = htmlContent.Replace("###STYLEDISPLAYACADEMIC###", "");

            htmlContent = htmlContent.Replace("###STYLEDISPLAYPROGRAM###",
"display:none;");
        }

        #region Create EFC array for Dependent/Independent student
        StringBuilder sbEFC = new StringBuilder();

        // Dependent
        GetEFCArrayJavaScript(appContext, sbEFC, "Dependent", "efcDependent");

        // Independent without dependent
        GetEFCArrayJavaScript(appContext, sbEFC, "IndepWithoutDep",
"efcIndWithoutDep");

```

```

// Independent with dependent
GetEFCArrayJavaScript(appContext, sbEFC, "IndepWithDep", "efcIndWithDep");

htmlContent = htmlContent.Replace("##EFC_ARRAY##", sbEFC.ToString());

#endregion

// Replace ##ADDITIONAL JAVASCRIPT##
if (extraJS.Length > 0)
{
    string tempStr = @"function SetupConstants() {" + extraJS.ToString() + ";
SetupConstants();";
    if (!string.IsNullOrEmpty(appContext.InstitutionBanner))
        tempStr += string.Format("var bannerFileName='{0}'; setupBanner();",
appContext.InstitutionBanner);
    if (!string.IsNullOrEmpty(jsInstitutionWelcomeWindows))
        tempStr += " " + jsInstitutionWelcomeWindows;

    htmlContent = htmlContent.Replace("##ADDITIONAL JAVASCRIPT##", "<script
type='text/javascript'>" + tempStr + "</script>");
}
else
    htmlContent = htmlContent.Replace("##ADDITIONAL JAVASCRIPT##", "");
}
}

return htmlContent;
}

```

```

/// <summary>
/// This method is used by GenerateHtmlText
/// </summary>
/// <param name="sbEFC"></param>
/// <param name="tableName"></param>
/// <param name="javascriptArrayName"></param>
private static void GetEFCArrayJavaScript(AppContext appContext, StringBuilder sbEFC,
string tableName, string javascriptArrayName)
{
    sbEFC.AppendLine();
    sbEFC.AppendLine();
    sbEFC.AppendFormat("var {0} = []; ", javascriptArrayName);
    using (SqlDataReader reader = SqlHelper.GetDataReader(string.Format("Select * From
{0} Where YearIndex={1} order by NumberInCollege, NumberInFamily, [Order]", tableName,
appContext.YearIndex)))
    {
        string numInCollege = string.Empty;
        string numInFamily = string.Empty;
        int incomeIndex = 0; // so we will start with index 0
        float efc = 0;

        int efcArrCounter = -1;
        while (reader.Read())
        {
            string numInCollegeFromDB = reader["NumberInCollege"].ToString();
            string numInFamilyFromDB = reader["NumberInFamily"].ToString();
            if (reader["EFC"] != DBNull.Value)
                efc = float.Parse(reader["EFC"].ToString());
            else
                efc = 0;

```

```

        if (numInCollegeFromDB == numInCollege && numInFamilyFromDB ==
numInFamily)
        {
            // just add array item inside existing array item
            sbEFC.AppendFormat("{0}{{1}}.incomeRanges[{{2}}] = {3}; ",
javascriptArrayName, efcArrCounter, incomeIndex, efc);
        }
        else
        {
            // reset income index counter;
            incomeIndex = 0;
            efcArrCounter++;

            numInCollege = numInCollegeFromDB;
            numInFamily = numInFamilyFromDB;

            // create new array item
            sbEFC.AppendLine();
            sbEFC.AppendFormat("{0}{{1}} = {{}};", javascriptArrayName, efcArrCounter);
            sbEFC.AppendLine();
            sbEFC.AppendFormat("{0}{{1}}.numberInCollege={2};", javascriptArrayName,
efcArrCounter, numInCollege);
            sbEFC.AppendLine();
            sbEFC.AppendFormat("{0}{{1}}.numberInFamily={2};", javascriptArrayName,
efcArrCounter, numInFamily);
            sbEFC.AppendLine();
            sbEFC.AppendFormat("{0}{{1}}.incomeRanges= []; ", javascriptArrayName,
efcArrCounter);
            sbEFC.AppendLine();

```

```
        sbEFC.AppendFormat("{0}{{1}}.incomeRanges[{{2}}] = {3}; ",
javascriptArrayName, efcArrCounter, incomeIndex, efc);
```

```
    }
    incomeIndex++;
}
}
```

```
/// <summary>
```

```
/// Get number of columns for Residency living: In-state, In-district, Out-of-state
```

```
/// </summary>
```

```
/// <returns></returns>
```

```
public static int GetNumberOfResidencyLivingColumns(AppContext appContext)
```

```
{
```

```
    int numberOfColumns = 0;
```

```
    if (appContext.InstitutionChargeDifferentTuition.HasValue)
```

```
    {
```

```
        if (appContext.InstitutionChargeDifferentTuition.Value == false)
```

```
            numberOfColumns = 1;
```

```
        else
```

```
        {
```

```
            // in-district
```

```
            if (appContext.ChargeForInDistrict.HasValue &&
appContext.ChargeForInDistrict.Value == true)
```

```
                numberOfColumns++;
```

```
            // in-state
```

```
            if (appContext.ChargeForInState.HasValue &&
appContext.ChargeForInState.Value == true)
```

```

        numberOfColumns++;
        // out-of-state
        if (appContext.ChargeForOutOfState.HasValue &&
appContext.ChargeForOutOfState.Value == true)
            numberOfColumns++;
    }
}
else if (appContext.InstitutionType == InstitutionType.Program)
{
    // for InstitutionType='Program', numberOfColumns=1
    numberOfColumns = 1;
}

return numberOfColumns;
}

/// <summary>
/// Get number of columns for living status: On-campus, Off-campus with family, Off-
campus without family
/// </summary>
/// <returns></returns>
public static int GetNumberOfLivingStatusColumns(AppContext appContext)
{
    int numberOfColumns = 1;

    if (appContext.InstitutionallyControlledHousingOffered.HasValue &&
appContext.InstitutionallyControlledHousingOffered.Value == true)
    {
        // all 3 columns will be displayed
        numberOfColumns = 3;
    }
}

```



```

        if (appContext.StudentsRequiredLiveOnCampusOrHousing.HasValue &&
appContext.StudentsRequiredLiveOnCampusOrHousing.Value == true)
            numberOfColumns = 1; // only on-campus is displayed
    }
    else
        numberOfColumns = 2; // only off-campus 2 columns will be displayed

    return numberOfColumns;
}

/// <summary>
/// Create ZIP file that can contains files and folders
/// </summary>
/// <param name="absoluteZipFileName">Absolute path to new zip archive</param>
/// <param name="sourceDirectoryPath">Absolute path to folder where source files are
located</param>
/// <param name="fileNamePattern">Pattern of file name that will be included into zip
archive</param>
/// <param name="directoryNamePattern">Pattern of folder names that will be included into
zip archive</param>
/// <returns></returns>

public static bool CreateZipArchive(string absoluteZipFileName, string
sourceDirectoryPath, string fileNamePattern, string directoryNamePattern)
{
    bool createZipResult = true;
    FastZip fz = new FastZip();

    try
    {
        fz.CreateZip(absoluteZipFileName, sourceDirectoryPath, true, fileNamePattern,
directoryNamePattern);

        createZipResult = true;
    }
}

```

```
    }  
    catch  
    {  
        createZipResult = false;  
        // Good idea to log exception for future investigation  
    }  
    return createZipResult;  
}  
}  
}
```