

# Case Study: Table Highlighting

Ivan Pepelnjak (@ioshints, ip@ioshints.info)  
NIL Data Communications



*ipSpace*

## Case Study: Improve Table Readability

<b>Stena/plezališče</b>	<b>Število smeri</b>	<b>Težavnost</b>
Armeško	39	4a+ do 7b+
Bitenj potok	55	5a do 8a
Bitnje	53	4a do 8b
Blažčeva skala	19	5b do 7c+
Boč	20	4c do 7c+
Bodešče	41	5a do 7b+
Bohinj	96	3 do 7c
Bohinjska Bela	81	3 do 8c+
Buncove skale	53	4a+/b do 7b+
Burjakove peči	94	3 do 8c

Make every second row gray

# Cross-Browser Solution

Define a CSS class

```
.rowGray { background-color: #F4F4F4; }
```

Use jQuery onload event to apply rowGray class to even rows of all tables with *striped* class

Caveat:

- Don't forget the thead/tbody elements in the table

## jQuery: Striped Table – a Beginner's Solution

```
$(function() {  
  
    function setupStripedTable() {  
        var tc=0;  
        $(this).find("tbody tr").each(  
            function(i) {  
                tc++ ;  
                if (tc % 2 == 0) $(this).addClass("rowGray") ;  
            });  
    }  
  
    $("table.striped").each(setupStripedTable);  
});
```

## jQuery Striped Table – Optimized

```
$(function() {
    $("table.striped tbody tr:even")
        .addClass("rowGray");
});
```

- Do you see the problem?
- Can you fix it?

### Table #1

Stena/plezališče	Število smeri	Težavnost
Armeško	39	4a+ do 7b+
Bitenj potok	55	5a do 8a
Bitnje	53	4a do 8b
Blažčeva skala	19	5b do 7c+
Boč	20	4c do 7c+
Bodešče	41	5a do 7b+
Bohinj	96	3 do 7c

### Table #2

Stena/plezališče	Število smeri	Težavnost
Burjakove peči	94	3 do 8c
Čerjan	20	6a+ do 8a
Čolnišče	23	5b+ do 7b
Čreta	27	5c do 7b/b+
Črni Kal	275	3 do 8a
Dolge njive	46	4b do 8a
Dovžanova soteska	41	6a do 7c+
Gore	38	3 do 7c+
Gorje	19	4a+ do 7a+

# jQuery Striped Table Done Right

```
$(function() {
    $("table.striped tbody")
        .each(function() {
            $(this)
                .find("tr:even")
                .addClass("rowGray");
        });
    });
```

## Table #1

Stena/plezališče	Število smeri	Težavnost
Armeško	39	4a+ do 7b+
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Bitnje	53	4a do 8b
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Boč	20	4c do 7c+
Bodešče	41	5a do 7b+
Bohinj	96	3 do 7c

## Table #2

Stena/plezališče	Število smeri	Težavnost
Burjakove peči	94	3 do 8c
Čerjan	20	6a+ do 8a
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Čreta	27	5c do 7b/b+
Črni Kal	275	3 do 8a
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Dovžanova soteska	41	6a do 7c+
Gore	38	3 do 7c+
Gorje	19	4a+ do 7a+

## Striped Table With CSS 3.x Selector

### Use nth-child(even)

```
table.striped tbody tr:nth-child(even) {
  background-color: #F4F4F4;
}
```

### Caveat:

- Not supported in all browsers
- Check quirksmode.org (or similar web site)

Selector / Browser →	IE6	IE7	IE8	IE9 preview	FF 3	FF 3.5	FF 3.6	Safari 3	Safari 4	Chrome 5 beta	Opera	Opera 10.5 beta
<a href="#">E~F</a>	NO	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
<a href="#">:nth-child</a>	NO	NO	NO	YES	YES	YES	YES	YES	YES	YES	YES	YES
<a href="#">E:nth-child</a>	NO	NO	NO	YES	NO	YES	YES	YES	YES	YES	YES	YES

  

Selector or declaration	IE 5-5	IE6	IE7	IE8	IE9	IE10 pr2	FF 11.0 Win	FF 10.0.2 Mac	Saf5.1 Win	Saf5.1.2 Mac	Chrome 18 Win	Chrome 17 Mac	Opera 11.61 Win	Opera 11.61 Mac
<a href="#">:nth-child()</a>		no			yes		yes		yes		yes		incorrect	

## Case Study: Highlight-On-Hover Table

### Slovenska plezališča

Stena/plezališče	Število smeri	Težavnost
Armeško	39	4a+ do 7b+
Bitenj potok	55	5a do 8a
Bitnje	53	4a do 8b
Blažčeva skala	19	5b do 7c+
Boč	20	4c do 7c+
Bodešče	41	5a do 7b+
Bohinj	96	3 do 7c
Bohinjska Bela	81	3 do 8c+
Buncove skale	53	4a+/b do 7b+
Burjakove peči	94	3 do 8c

Highlight the row under the mouse



## Cross-Browser Solution

- Define highlight CSS

```
.rowActive{ background-color: #FFDB8E !important; }
```

- Use **!important** to override more-specific selectors
- Use jQuery hover method

```
$(function() {  
    $("table.active tbody tr").hover(  
        function() { $(this).addClass("rowActive"); },  
        function() { $(this).removeClass("rowActive"); }  
    );  
});
```

## CSS2 Solution

- Use :hover pseudo-class on table rows

```
table.active tbody tr:hover {  
    background-color: #FFDB8E !important;  
}
```

**Does not work in Internet Explorer 8**



Questions?

