

## #markdown解析与着色

### 简介

最近在调整博客园博客样式,使用markdown发表的博客。这个不要太多用,有道云+markdown简直绝配,可以发在任何支持markdwon的博客网站,样式基本不会走形,博客园对自定义样式也支持的很好。之前写过一个篇[博客园对markdown语法的支持](#)可以看到效果。

代码怎么像这样的效果呢?

```
using System.IO.Compression;

#pragma warning disable 414, 3021

namespace MyApplication
{
    [Obsolete("...")]
    class Program : IInterface
    {
        public static List<int> JustDoIt(int count)
        {
            Console.WriteLine($"Hello {Name}!");
            return new List<int>(new int[] { 1, 2, 3 })
        }
    }
}
```

其实很简单就是解析+着色

### markdown解析

markdown的解析暂时查到就有四种javascript库:

1. marked
2. mdjs
3. HyperDown
4. strapdown

而这四种插件的使用也很简单,引用好js库后直接解析加载的markdwon文件将其放入document中就ok,javascript代码如下:

```
$.ajax({
    type: "get",
    //url: "/Content/markdown/demo.md",
    url: "@Url.Action("MarkdonwFile")",
    async: false,
    dataType: "text",
    success: function (response, status, request) {
        $('#mdjsDemo').html(Mdjs.md2html(response)); //mdjs
        $('#markedDemo').html(marked(response)); //marked
        var parser = new HyperDown;
        $('#hyperDownDemo').html(parser.makeHtml(response)); //HyperDown
    }
});
```

由于ajax不能直接请求md文件,暂时不知道什么原因先不理睬,服务器代码如下:

```
public ActionResult MarkdonwFile()
{
    //返回markdown文件
    var mk = AppDomain.CurrentDomain.BaseDirectory + "Content/markdown/demo.md";
    return File(mk, "text/plain");
}
```

效果如下:

效果

marked

mdjs

hyperDown

strapdown[暂未实现]

## marked效果

## csharp

```
using System.IO.Compression;

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        public static List<int> JustDoIt(int count)
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        }
    }
}
```

## highlight 着色

markdown经解析后其中code是html默认的风格黑白两色,看着不舒服,可以试用highlight进行着色。highlight的使用也非常简单引用库并调用\*hljs.initHighlightingOnLoad()\*即可,代码如下:

```
<script
src="//cdnjs.cloudflare.com/ajax/libs/highlight.js/9.13.1/highlight.min.js">
</script>
<script>
    hljs.initHighlightingOnLoad()
</script>
```

highlight支持着色的语言非常多,样式也很很丰富。

## highlight 动态着色

效果如下:

HighLightJs 样式

default.min.css

效果

markedmdjshyperDownstrapdown[暂未实现]

marked效果

csharp

```
using System.IO.Compression;

#pragma warning disable 414, 3021

namespace MyApplication
{
    [Obsolete("...")]
    class Program : IInterface
    {
        public static List<int> JustDoIt(int count)
        {
            Console.WriteLine($"Hello {Name}!");
            return new List<int>(new int[] { 1, 2, 3 })
        }
    }
}
```

在[cdnjs](#)上可以获取highlight的js脚本和css样式, 可是css样式很多一个个粘贴很麻烦。所以想了个方法自动生成<option></option>项。

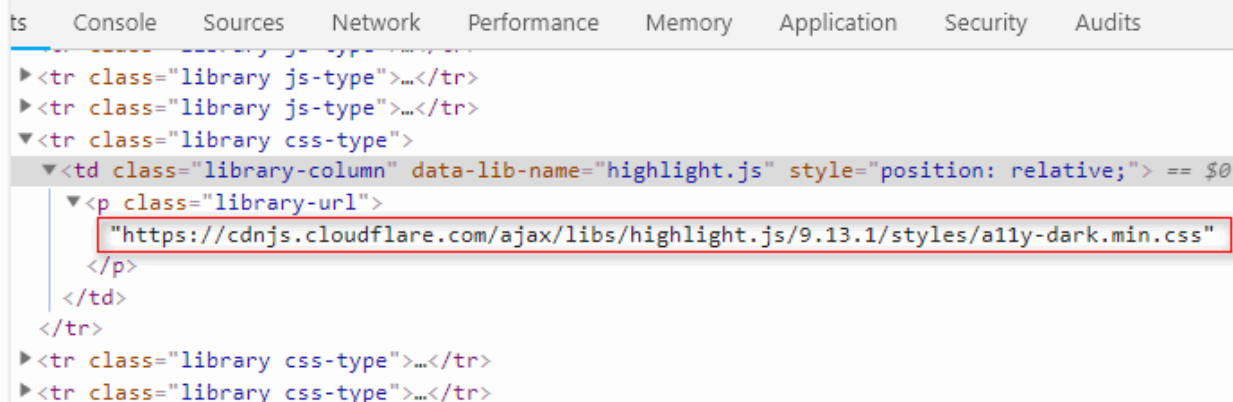
在[cdnjs](#)的[highlight](#)库上可以看到js和css是一个如下列表:

<https://cdnjs.cloudflare.com/ajax/libs/highlight.js/9.13.1/languages/zephir.min.js>

<https://cdnjs.cloudflare.com/ajax/libs/highlight.js/9.13.1/styles/a11y-dark.min.css>

<https://cdnjs.cloudflare.com/ajax/libs/highlight.js/9.13.1/styles/a11y-light.min.css>

<https://cdnjs.cloudflare.com/ajax/libs/highlight.js/9.13.1/styles/agate.min.css>



```

ts Console Sources Network Performance Memory Application Security Audits
▶ <tr class="library js-type">...</tr>
▶ <tr class="library js-type">...</tr>
▼ <tr class="library css-type">
  ▼ <td class="library-column" data-lib-name="highlight.js" style="position: relative;" == $0
    ▼ <p class="library-url">
      "https://cdnjs.cloudflare.com/ajax/libs/highlight.js/9.13.1/styles/a11y-dark.min.css"
    </p>
  </td>
</tr>
▶ <tr class="library css-type">...</tr>
▶ <tr class="library css-type">...</tr>

```

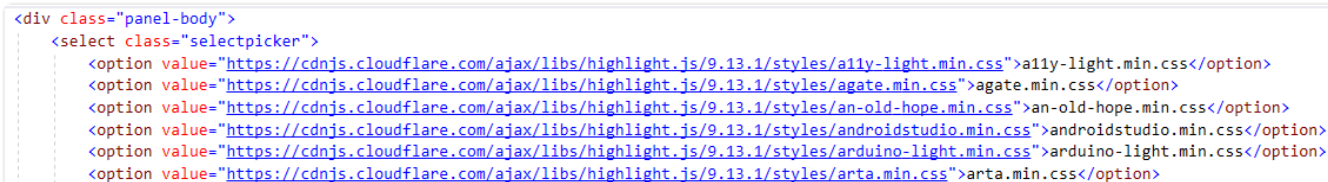
简单分析后, 可以用如下代码拼接所有的option项

```

$('.library-url').toArray().filter(item => {
  return $(item).html().endsWith('.css')
}).reduce((tmp, item) => {
  return tmp + '<option value="' + $(item).html() + '">' +
$(item).html().substr($(item).html().lastIndexOf('/') + 1) + '</option>'
})

```

效果如下:



```

<div class="panel-body">
  <select class="selectpicker">
    <option value="https://cdnjs.cloudflare.com/ajax/libs/highlight.js/9.13.1/styles/a11y-light.min.css">a11y-light.min.css</option>
    <option value="https://cdnjs.cloudflare.com/ajax/libs/highlight.js/9.13.1/styles/agate.min.css">agate.min.css</option>
    <option value="https://cdnjs.cloudflare.com/ajax/libs/highlight.js/9.13.1/styles/an-old-hope.min.css">an-old-hope.min.css</option>
    <option value="https://cdnjs.cloudflare.com/ajax/libs/highlight.js/9.13.1/styles/androidstudio.min.css">androidstudio.min.css</option>
    <option value="https://cdnjs.cloudflare.com/ajax/libs/highlight.js/9.13.1/styles/arduino-light.min.css">arduino-light.min.css</option>
    <option value="https://cdnjs.cloudflare.com/ajax/libs/highlight.js/9.13.1/styles/arta.min.css">arta.min.css</option>
  </select>

```

## 参考

- [前端解析Markdown](#)
- [markedjs 源码](#)
- [HyperDown 源码](#)