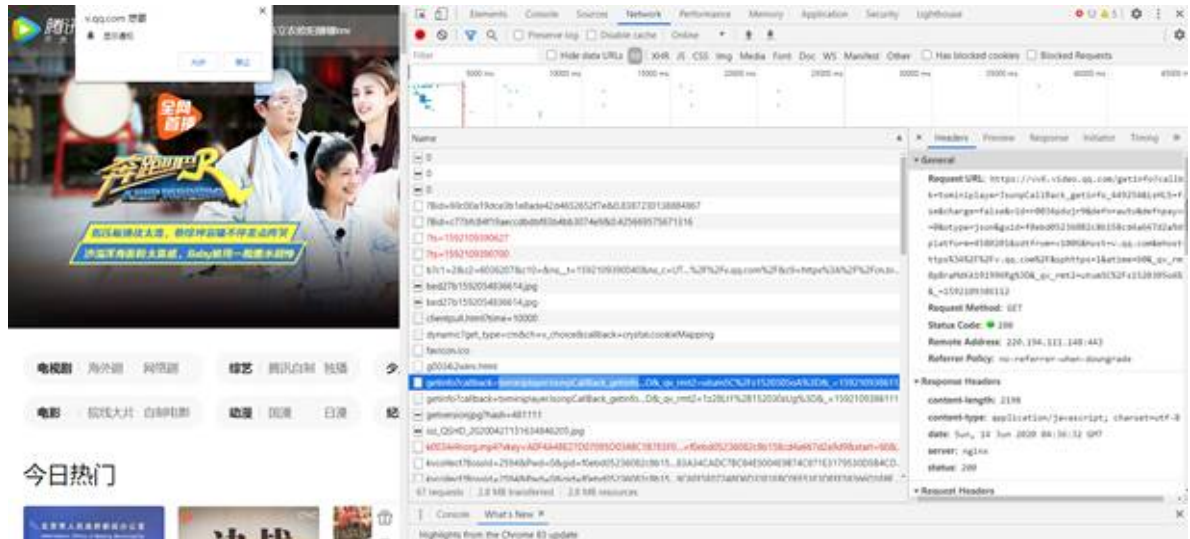


1. 请求

针对腾讯视频

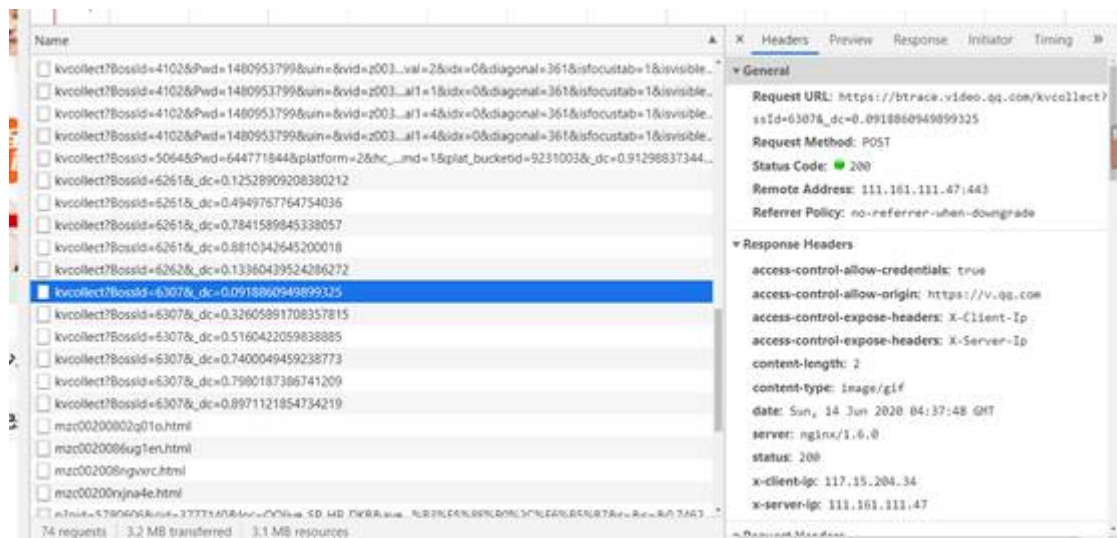
此请求为GET请求



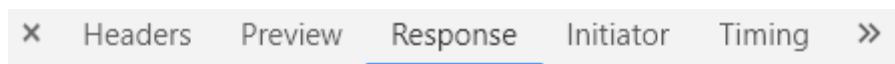
相应数据包



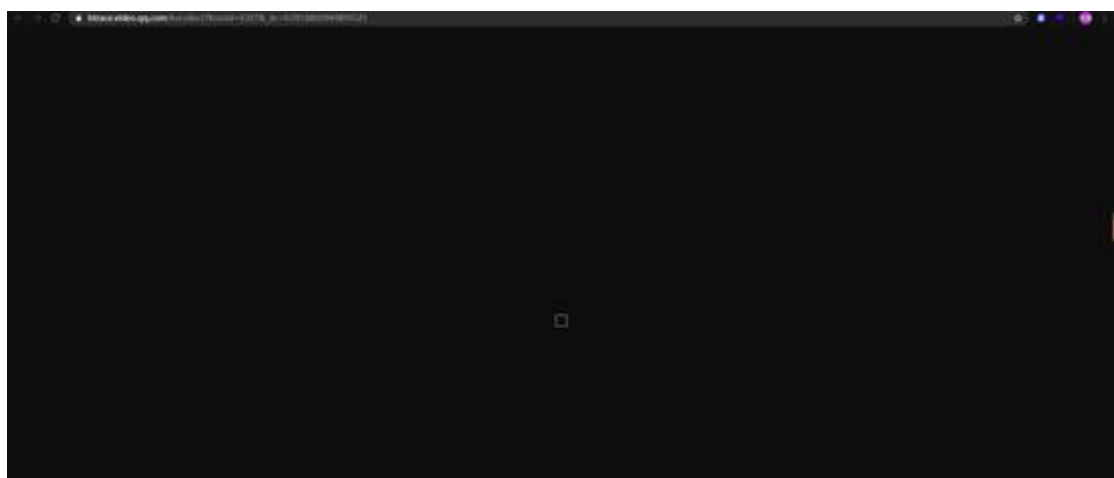
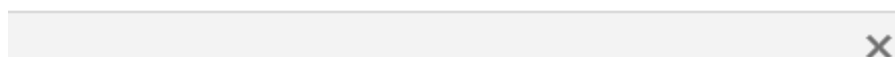
这是一个POST请求



无数据包



This request has no response data available.

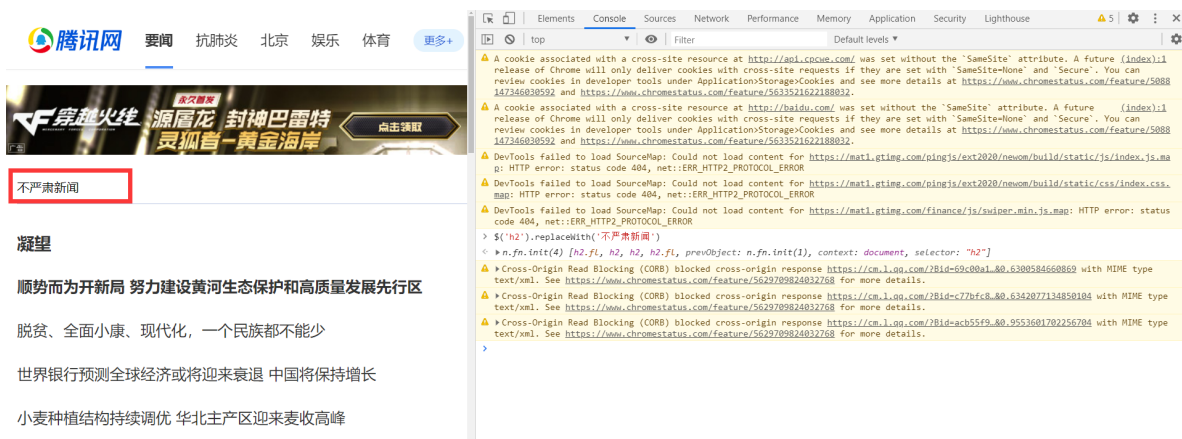


2.JQuery

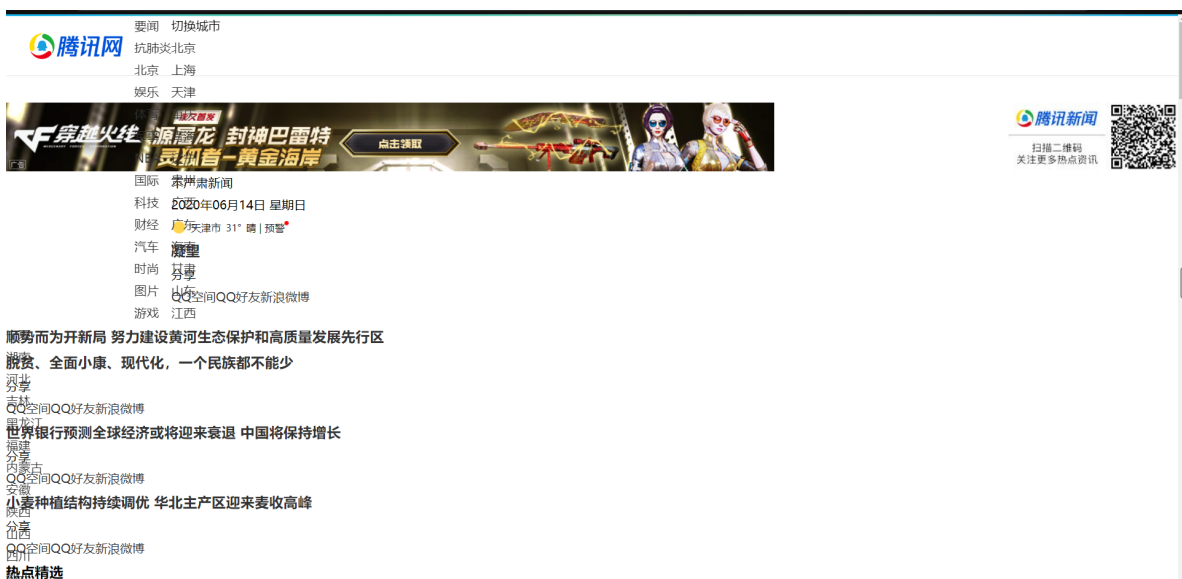


替换后：

(1) \$('h2').replaceWith('不严肃新闻') 替换文本



(2) \$('div').removeAttr('name class') 删除属性



(3) \$('ul').empty() 清空后代节点



3.浏览器插件

功能描述：快速过超星学习通视频（PS：不是自己用的，只是朋友的学习通视频很变态帮忙做了;仍然熟记上课的几条原则，求过审）

Background.js:

```
chrome.runtime.onInstalled.addListener(function () {
  chrome.declarativeContent.onPageChanged.removeRules(undefined, function () {
    chrome.declarativeContent.onPageChanged.addRules([
      {
        conditions: [
          new chrome.declarativeContent.PageStateMatcher({
            pageUrl: {
              urlContains: 'chaoxing.com/mycourse/studentstudy?'
            }
          })
        ],
        actions: [new chrome.declarativeContent.ShowPageAction()]
      }
    ]);
  });
});
```

md5.js

```
/*
 * A JavaScript implementation of the RSA Data Security, Inc. MD5 Message
 * Digest Algorithm, as defined in RFC 1321.
 * Version 2.1 Copyright (C) Paul Johnston 1999 - 2002.
 * Other contributors: Greg Holt, Andrew Kepert, Ydnar, Lostinet
 * Distributed under the BSD License
 * See http://pajhome.org.uk/crypt/md5 for more info.
 */

/*
 * Configurable variables. You may need to tweak these to be compatible with
```

```

    * the server-side, but the defaults work in most cases.
    */
var hexcase = 0; /* hex output format. 0 - lowercase; 1 - uppercase */
var b64pad  = ""; /* base-64 pad character. "=" for strict RFC compliance */
var chrsz   = 8; /* bits per input character. 8 - ASCII; 16 - Unicode */

/*
 * These are the functions you'll usually want to call
 * They take string arguments and return either hex or base-64 encoded strings
 */
function hex_md5(s){ return binl2hex(core_md5(str2binl(s), s.length * chrsz));}
function b64_md5(s){ return binl2b64(core_md5(str2binl(s), s.length * chrsz));}
function str_md5(s){ return binl2str(core_md5(str2binl(s), s.length * chrsz));}
function hex_hmac_md5(key, data) { return binl2hex(core_hmac_md5(key, data)); }
function b64_hmac_md5(key, data) { return binl2b64(core_hmac_md5(key, data)); }
function str_hmac_md5(key, data) { return binl2str(core_hmac_md5(key, data)); }

/*
 * Perform a simple self-test to see if the VM is working
 */
function md5_vm_test()
{
    return hex_md5("abc") == "900150983cd24fb0d6963f7d28e17f72";
}

/*
 * Calculate the MD5 of an array of little-endian words, and a bit length
 */
function core_md5(x, len)
{
    /* append padding */
    x[len >> 5] |= 0x80 << ((len) % 32);
    x[(((len + 64) >>> 9) << 4) + 14] = len;

    var a = 1732584193;
    var b = -271733879;
    var c = -1732584194;
    var d = 271733878;

    for(var i = 0; i < x.length; i += 16)
    {
        var olda = a;
        var oldb = b;
        var oldc = c;
        var oldd = d;

        a = md5_ff(a, b, c, d, x[i+ 0], 7 , -680876936);
        d = md5_ff(d, a, b, c, x[i+ 1], 12, -389564586);
        c = md5_ff(c, d, a, b, x[i+ 2], 17, 606105819);
        b = md5_ff(b, c, d, a, x[i+ 3], 22, -1044525330);
        a = md5_ff(a, b, c, d, x[i+ 4], 7 , -176418897);
        d = md5_ff(d, a, b, c, x[i+ 5], 12, 1200080426);
        c = md5_ff(c, d, a, b, x[i+ 6], 17, -1473231341);
        b = md5_ff(b, c, d, a, x[i+ 7], 22, -45705983);
        a = md5_ff(a, b, c, d, x[i+ 8], 7 , 1770035416);
        d = md5_ff(d, a, b, c, x[i+ 9], 12, -1958414417);
        c = md5_ff(c, d, a, b, x[i+10], 17, -42063);
        b = md5_ff(b, c, d, a, x[i+11], 22, -1990404162);
    }

```

```

a = md5_ff(a, b, c, d, x[i+12], 7, 1804603682);
d = md5_ff(d, a, b, c, x[i+13], 12, -40341101);
c = md5_ff(c, d, a, b, x[i+14], 17, -1502002290);
b = md5_ff(b, c, d, a, x[i+15], 22, 1236535329);

a = md5_gg(a, b, c, d, x[i+ 1], 5, -165796510);
d = md5_gg(d, a, b, c, x[i+ 6], 9, -1069501632);
c = md5_gg(c, d, a, b, x[i+11], 14, 643717713);
b = md5_gg(b, c, d, a, x[i+ 0], 20, -373897302);
a = md5_gg(a, b, c, d, x[i+ 5], 5, -701558691);
d = md5_gg(d, a, b, c, x[i+10], 9, 38016083);
c = md5_gg(c, d, a, b, x[i+15], 14, -660478335);
b = md5_gg(b, c, d, a, x[i+ 4], 20, -405537848);
a = md5_gg(a, b, c, d, x[i+ 9], 5, 568446438);
d = md5_gg(d, a, b, c, x[i+14], 9, -1019803690);
c = md5_gg(c, d, a, b, x[i+ 3], 14, -187363961);
b = md5_gg(b, c, d, a, x[i+ 8], 20, 1163531501);
a = md5_gg(a, b, c, d, x[i+13], 5, -1444681467);
d = md5_gg(d, a, b, c, x[i+ 2], 9, -51403784);
c = md5_gg(c, d, a, b, x[i+ 7], 14, 1735328473);
b = md5_gg(b, c, d, a, x[i+12], 20, -1926607734);

a = md5_hh(a, b, c, d, x[i+ 5], 4, -378558);
d = md5_hh(d, a, b, c, x[i+ 8], 11, -2022574463);
c = md5_hh(c, d, a, b, x[i+11], 16, 1839030562);
b = md5_hh(b, c, d, a, x[i+14], 23, -35309556);
a = md5_hh(a, b, c, d, x[i+ 1], 4, -1530992060);
d = md5_hh(d, a, b, c, x[i+ 4], 11, 1272893353);
c = md5_hh(c, d, a, b, x[i+ 7], 16, -155497632);
b = md5_hh(b, c, d, a, x[i+10], 23, -1094730640);
a = md5_hh(a, b, c, d, x[i+13], 4, 681279174);
d = md5_hh(d, a, b, c, x[i+ 0], 11, -358537222);
c = md5_hh(c, d, a, b, x[i+ 3], 16, -722521979);
b = md5_hh(b, c, d, a, x[i+ 6], 23, 76029189);
a = md5_hh(a, b, c, d, x[i+ 9], 4, -640364487);
d = md5_hh(d, a, b, c, x[i+12], 11, -421815835);
c = md5_hh(c, d, a, b, x[i+15], 16, 530742520);
b = md5_hh(b, c, d, a, x[i+ 2], 23, -995338651);

a = md5_ii(a, b, c, d, x[i+ 0], 6, -198630844);
d = md5_ii(d, a, b, c, x[i+ 7], 10, 1126891415);
c = md5_ii(c, d, a, b, x[i+14], 15, -1416354905);
b = md5_ii(b, c, d, a, x[i+ 5], 21, -57434055);
a = md5_ii(a, b, c, d, x[i+12], 6, 1700485571);
d = md5_ii(d, a, b, c, x[i+ 3], 10, -1894986606);
c = md5_ii(c, d, a, b, x[i+10], 15, -1051523);
b = md5_ii(b, c, d, a, x[i+ 1], 21, -2054922799);
a = md5_ii(a, b, c, d, x[i+ 8], 6, 1873313359);
d = md5_ii(d, a, b, c, x[i+15], 10, -30611744);
c = md5_ii(c, d, a, b, x[i+ 6], 15, -1560198380);
b = md5_ii(b, c, d, a, x[i+13], 21, 1309151649);
a = md5_ii(a, b, c, d, x[i+ 4], 6, -145523070);
d = md5_ii(d, a, b, c, x[i+11], 10, -1120210379);
c = md5_ii(c, d, a, b, x[i+ 2], 15, 718787259);
b = md5_ii(b, c, d, a, x[i+ 9], 21, -343485551);

a = safe_add(a, olda);
b = safe_add(b, oldb);

```

```

        c = safe_add(c, oldc);
        d = safe_add(d, oldd);
    }
    return Array(a, b, c, d);
}

/*
 * These functions implement the four basic operations the algorithm uses.
 */
function md5_cmn(q, a, b, x, s, t)
{
    return safe_add(bit_rol(safe_add(safe_add(a, q), safe_add(x, t)), s),b);
}
function md5_ff(a, b, c, d, x, s, t)
{
    return md5_cmn((b & c) | ((~b) & d), a, b, x, s, t);
}
function md5_gg(a, b, c, d, x, s, t)
{
    return md5_cmn((b & d) | (c & (~d)), a, b, x, s, t);
}
function md5_hh(a, b, c, d, x, s, t)
{
    return md5_cmn(b ^ c ^ d, a, b, x, s, t);
}
function md5_ii(a, b, c, d, x, s, t)
{
    return md5_cmn(c ^ (b | (~d)), a, b, x, s, t);
}

/*
 * Calculate the HMAC-MD5, of a key and some data
 */
function core_hmac_md5(key, data)
{
    var bkey = str2binl(key);
    if(bkey.length > 16) bkey = core_md5(bkey, key.length * chrsz);

    var ipad = Array(16), opad = Array(16);
    for(var i = 0; i < 16; i++)
    {
        ipad[i] = bkey[i] ^ 0x36363636;
        opad[i] = bkey[i] ^ 0x5C5C5C5C;
    }

    var hash = core_md5(ipad.concat(str2binl(data)), 512 + data.length * chrsz);
    return core_md5(opad.concat(hash), 512 + 128);
}

/*
 * Add integers, wrapping at 2^32. This uses 16-bit operations internally
 * to work around bugs in some JS interpreters.
 */
function safe_add(x, y)
{
    var lsw = (x & 0xFFFF) + (y & 0xFFFF);
    var msw = (x >> 16) + (y >> 16) + (lsw >> 16);

```



```

    return (msw << 16) | (lsw & 0xFFFF);
}

/*
 * Bitwise rotate a 32-bit number to the left.
 */
function bit_rol(num, cnt)
{
    return (num << cnt) | (num >>> (32 - cnt));
}

/*
 * Convert a string to an array of little-endian words
 * If chrsz is ASCII, characters >255 have their hi-byte silently ignored.
 */
function str2binl(str)
{
    var bin = Array();
    var mask = (1 << chrsz) - 1;
    for(var i = 0; i < str.length * chrsz; i += chrsz)
        bin[i>>5] |= (str.charCodeAt(i / chrsz) & mask) << (i%32);
    return bin;
}

/*
 * Convert an array of little-endian words to a string
 */
function binl2str(bin)
{
    var str = "";
    var mask = (1 << chrsz) - 1;
    for(var i = 0; i < bin.length * 32; i += chrsz)
        str += String.fromCharCode((bin[i>>5] >>> (i % 32)) & mask);
    return str;
}

/*
 * Convert an array of little-endian words to a hex string.
 */
function binl2hex(binarray)
{
    var hex_tab = hexcase ? "0123456789ABCDEF" : "0123456789abcdef";
    var str = "";
    for(var i = 0; i < binarray.length * 4; i++)
    {
        str += hex_tab.charAt((binarray[i>>2] >> ((i%4)*8+4)) & 0xF) +
            hex_tab.charAt((binarray[i>>2] >> ((i%4)*8)) & 0xF);
    }
    return str;
}

/*
 * Convert an array of little-endian words to a base-64 string
 */
function binl2b64(binarray)
{
    var tab = "ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz0123456789+/";
    var str = "";

```



```

for(var i = 0; i < binarray.length * 4; i += 3)
{
    var triplet = (((binarray[i >> 2] >> 8 * (i % 4)) & 0xFF) << 16)
                | (((binarray[i+1 >> 2] >> 8 * ((i+1)%4)) & 0xFF) << 8 )
                | ((binarray[i+2 >> 2] >> 8 * ((i+2)%4)) & 0xFF);
    for(var j = 0; j < 4; j++)
    {
        if(i * 8 + j * 6 > binarray.length * 32) str += b64pad;
        else str += tab.charAt((triplet >> 6*(3-j)) & 0x3F);
    }
}
return str;
}

```

mooc.js

```

console.log('cxmooc-tools start');
//监听框架加载
document.addEventListener('load', function (ev) {
    var ev = ev || event;
    var _this = ev.srcElement || ev.target;
    if (_this.id == 'iframe') {
        showExpand(_this);
    }
}, true);
showExpand(document.getElementById('iframe'));
/**
 * 显示扩展按钮,并绑定事件
 * @param {iframe document} _this
 */
function showExpand(_this) {
    ans = _this.contentwindow.document.getElementsByClassName('ans-job-icon');
    for (var i = 0; i < ans.length; i++) {
        ans[i].style.width = '100%';
        var boom = createBtn('秒过视频');
        ans[i].appendChild(boom);
        boom.onclick = function () {
            //获取参数
            var mArg = _this.contentwindow.document.body.innerHTML;
            mArg = '{' + substrEx(mArg, 'mArg = {', ';');
            mArg = JSON.parse(mArg);
            console.log(mArg);
            get('/ananas/status/' + mArg.attachments["0"].property.objectid +
                '?k=318&_dc=' + Date.parse(new Date())).onreadystatechange =
function () {
                if (this.readyState == 4) {
                    if (this.status != 200) {
                        alert('未知错误');
                    } else {
                        //第二步
                        var json = JSON.parse(this.responseText);
                        var playTime = parseInt(json.duration - Math.random(1,
2));

                        var enc = '[' + mArg.defaults.clazzId + '][' +
mArg.defaults.userid + '][' +

```

```

        mArg.attachments["0"].property._jobid + '][' +
mArg.attachments["0"].objectId + '][' +
        (playTime * 1000).toString() + '][d_yHJ!$pdA~5][' +
(json.duration * 1000).toString() + '][0_' +
        json.duration + ']];
        enc = hex_md5(enc);
        get('/multimedia/log/' + json.dtoken + '?clipTime=0_' +
json.duration +
        '&otherInfo=' + mArg.attachments["0"].otherInfo +
        '&userid=' + mArg.defaults.userid + '&rt=0.9&jobid='
+ mArg.attachments["0"].property._jobid +
        '&duration=' + json.duration +
        '&dtype=Video&objectId=' + mArg.attachments["0"].objectId +
        '&clazzId=' + mArg.defaults.clazzId +
        '&view=pc&playingTime=' + playTime +
        '&isdrag=4&enc=' + enc).onreadystatechange = function () {
            if (this.readyState == 4) {
                if (this.status != 200) {
                    alert('未知错误');
                } else {
                    alert('成功刷新后查看效果');
                }
            }
        }
    }
}
}
}
}
}
}
}
}
}

function substrEx(str, left, right) {
    var leftPos = str.indexOf(left) + left.length;
    var rightPos = str.indexOf(right, leftPos);
    return str.substring(leftPos, rightPos);
}

function createRequest() {
    var xmlhttp;
    if (window.XMLHttpRequest) {
        xmlhttp = new XMLHttpRequest();
    } else {
        xmlhttp = new ActiveXObject("Microsoft.XMLHTTP");
    }
    return xmlhttp;
}

function get(url) {
    try {
        var xmlhttp = createRequest();
        xmlhttp.open("GET", url, true);
        xmlhttp.send();
    } catch (e) {
        return false;
    }
    return xmlhttp;
}

```

```
function createBtn(title) {
    var btn = document.createElement('button');
    btn.innerText = title;
    btn.style.outline = 'none';
    btn.style.border = '0';
    btn.style.background = '#7d9d35';
    btn.style.color = '#fff';
    btn.style.borderRadius = '4px';
    btn.style.padding = '2px 8px';
    btn.style.cursor = 'pointer';
    btn.style.fontSize = '12px';
    return btn;
}
```

start.js

```
window.onload = function () {
    //注入mooc.js
    injected('mooc.js');
    injected('md5.js');
}

function injected(file) {
    var path = 'js/' + file;
    var temp = document.createElement('script');
    temp.setAttribute('type', 'text/javascript');
    temp.src = chrome.extension.getURL(path);
    document.head.appendChild(temp);
}
```