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# 反爬虫策略

<https://www.scrapehero.com/how-to-prevent-getting-blacklisted-while-scraping/>

# 图片验证码

# 图片处理

Python框架项目http://scikit-image.org/

// JavaScript Document

var obj;

var to; //setTimeout时间变量，对于输入快时可以延迟查询

var cid='formCity';

function getDs(type) {

if(type=="toCity"){

cid='toCity';

$('#dvContent').insertAfter($('#toBox'));

}else{

cid='formCity';

$('#dvContent').insertAfter($('#formBox'));

}

$('#citybox').css("display", "block");

$('#cityreturn').css("display", "none");

$('#dvContent').css("display", "block");

}

function getD(e, va, type) {

e = e || event;

if (e.keyCode == 38 || e.keyCode == 40 || e.keyCode == 13) return;

if(type=="toBox"){

cid='toCity';

$('#dvContent').insertAfter($('#toBox'));

}else{

cid='formCity';

$('#dvContent').insertAfter($('#formBox'));

}

if(va!=''){

if (to) clearTimeout(to);

to = setTimeout("getData('" + va + "')", 500); //延迟500毫秒后再查询

}

}

function getDsIndex(type) {

if(type=="toCityIndex"){

cid='toCityIndex';

$('#dvContent').insertAfter($('#toBoxIndex'));

}else{

cid='formCityIndex';

$('#dvContent').insertAfter($('#formBoxIndex'));

}

$('#citybox').css("display", "block");

$('#cityreturn').css("display", "none");

$('#dvContent').css("display", "block");

}

function getDIndex(e, va, type) {

e = e || event;

if (e.keyCode == 38 || e.keyCode == 40 || e.keyCode == 13) return;

if(type=="toBox"){

cid='toCityIndex';

$('#dvContent').insertAfter($('#toBoxIndex'));

}else{

cid='formCityIndex';

$('#dvContent').insertAfter($('#formBoxIndex'));

}

if(va!=''){

if (to) clearTimeout(to);

to = setTimeout("getData('" + va + "')", 500); //延迟500毫秒后再查询

}

}

function getData(va) {

$('#dvContent').css("display", "none");

//if (va != "") {//注意这个要编码关键字，要不出现中文在服务器端获取不到,更换为asp/asp.net/php也是修改这里的文件名就可以了，如果更换过路径，注意路径也要修改

var url = '/timetable/inc/GetCityList.ashx?ts=' + new Date().getTime() + '&c=' + escape(va);

obj = CreateAJAX();

if (obj) {

obj.onreadystatechange = handlejs;

obj.open('get', url, true);

obj.send(null);

}

else

{ alert("创建AJAX对象失败！");}

// }

}

function handlejs() {

if (obj.readyState == 4) {

if (obj.status == 200) {

xml = obj.responseXML;

node = xml.getElementsByTagName("data");

if (node.length != 0)//如果d节点的子节点不为0,则取数据

{

// var dv = $("#dvContent");

// dv.innerHTML = node[0].firstChild.nodeValue;

$('#citybox').css("display", "none");

$('#cityreturn').css("display", "block");

$('#cityreturn').html(node[0].firstChild.nodeValue);

//dv.style.display = "block";

$('#dvContent').css("display", "block");

CurrentIndex = -1; //重新设置焦点项

}

}

else

alert("请求的文件出错，请检查！");

}

}

function CreateAJAX() {

if (typeof (XMLHttpRequest) != "undefined")

return new XMLHttpRequest();

if (window.ActiveXObject) {

var objs = ["MSXML2.XMLHttp.5.0", "MSXML2.XMLHttp.4.0", "MSXML2.XMLHttp.3.0", "MSXML2.XMLHttp", "Microsoft.XMLHTTP"];

var xmlhttp;

for (var i = 0; i < objs.length; i++) {

try {

xmlhttp = new ActiveXObject(objs[i]);

return xmlhttp;

}

catch (e) {

//do nothing

}

}

}

}

function setContent(data,code, IsKey) {

$("#" + cid).val(data)

$("#" + cid + "Code").val(code)

if (!IsKey) {

$('#dvContent').css("display", "none");

CurrentIndex = -1;

}

$("#" + cid).blur()

}

function setContentFan() {

var data1=$("#formCity").val();

var code1=$("#formCityCode").val();

var data2=$("#toCity").val();

var code2=$("#toCityCode").val();

if(code1=="" ||code2==""){

//alert('error');

}else{

$("#formCity").val(data2);

$("#formCityCode").val(code2);

$("#toCity").val(data1);

$("#toCityCode").val(code1);

}

}

function closeDiv() {

$('#dvContent').css("display", "none");

}

var CurrentIndex = -1;

/\*document.onkeydown = function (e) {

e = e || event;

if ( $("#dvContent").css("display") == "none") return; //不显示时不响应按键

var items = $("#dvContent div");

var itemLength = items.length;

if (itemLength < 1) return; //没有匹配的内容时不响应按键

items.css("backgroundColor","#ffffff");

if (e.keyCode == 38)//上

{

if (CurrentIndex == -1)

CurrentIndex = 0;

else

CurrentIndex--;

if (CurrentIndex < 0)

CurrentIndex = itemLength - 1;

}

else if (e.keyCode == 40)//下

{

if (CurrentIndex == -1)

CurrentIndex = 0;

else

CurrentIndex++;

if (CurrentIndex > itemLength - 1)

CurrentIndex = 0;

}

else if (e.keyCode == 13) {

setContent(items[CurrentIndex].innerText,items[CurrentIndex].className);

}

if (CurrentIndex != -1) {

$("#dvContent div:eq("+CurrentIndex+")").css("backgroundColor","#e6e6e6");

//$("#dvContent div:eq("+CurrentIndex+")").click();

setContent(items[CurrentIndex].innerText,items[CurrentIndex].className, true);

}

}\*/

function closecolor(id){

$("#"+id+" span").css('background-color','#FFFFFF');

$("#"+id).css('background-color','#FFFFFF');

$("#"+id).css('cursor','hand');

}

function showcolor(id){

$("#"+id+" span").css('background-color','#f4f4f4');

$("#"+id).css('background-color','#f4f4f4');

$("#"+id).css('cursor','hand');

}

# 跨域请求

(function(){var i;var h={fat:[{"doaminFormat":/http.\*.qa.nt.ctripcorp.ctripbuy.hk/,"writeUrl":""},{"doaminFormat":/http.\*.qa.nt.ctripcorp.com/,"writeUrl":""}],uat:[{"doaminFormat":/http.\*.uat.qa.nt.ctripcorp.ctripbuy.hk/,"writeUrl":""},{"doaminFormat":/http.\*.uat.qa.nt.ctripcorp.com/,"writeUrl":""}],pro:[{"doaminFormat":/http.\*.ctripbuy.hk/,"writeUrl":""},{"doaminFormat":/http.\*.ctrip./,"writeUrl":""}]};var e={fat:["http://mall-pub-g.fat77.qa.nt.ctripcorp.com/mall/logout"],uat:["http://g.uat.qa.nt.ctripcorp.com/mall/mall/logout"],pro:["http://g.ctrip.com/mall/logout"]};function l(r){var n=[];if(location.host.indexOf(".fat")>=0||location.host.indexOf(".dev")>=0||location.host.indexOf(".localhost")>=0){n=r.fat}else{if(location.host.indexOf(".uat")>=0){n=r.uat}else{n=r.pro}}var o=document.location.origin;var m=[];for(var p=0;p<n.length;p++){var q=n[p];if(!q.doaminFormat.test(o)){m.push(q.writeUrl)}}return m}var a=0;function d(){a++}function j(m){var o=null;try{o=document.createElement("<iframe name='"+m+"'>")}catch(n){o=document.createElement("iframe");o.name=m}o.id=m;o.frameborder=0;o.scrolling="no";o.style.display="none";o.onload=d;o.src="javascript:;";document.body.appendChild(o)}function k(m){var n=[];for(var o=0;o<m.length;o++){var q=document.createElement("form");q.target="ifr"+o;q.name=q.id="form"+o;q.method="post";q.action=m[o];q.style.display="none";var p=document.createElement("input");p.type="hidden";p.name="ticket";p.value=i||c();q.appendChild(p);document.body.appendChild(q);n.push(q);j("ifr"+o)}return n}function g(r){var q=0;try{var m=l(r);var n=k(m);for(var p=0;p<n.length;p++){n[p].submit()}q=n.length}catch(o){q=0}return q}function c(){var m=(!!loginResult&&!!loginResult.ticketStr)?loginResult.ticketStr:sso\_popLogin.getCookie("ticket\_ctrip");return m}function b(o){i=o.ticket;var q=o.callback;var p=0;if(p==0){if(typeof q=="function"){q()}return}var n=0;var m=window.setInterval(function(){if(a>=p||n>=40){if(typeof q=="function"){q()}window.clearInterval(m)}n++},50)}function f(m){}return crossDomainCookie={postWriteCookie:b,postRemoveCookie:f}})();