



uToolsJavaScriptAPI,js:

```
var app = new Vue({
  el: '#app',
  data: {
    content: '',
    results: '',
    api_name: ' tmt' ,//
    default_api_name: '',
    is_click: {
      baidu: false,
      youdao: false,
      sogou: false,
      tmt: true,
      caiyun: false
    },
    api_list: {
      baidu: ' ',
      youdao: ' ',
      caiyun: ' ',
      sogou: ' ',
      tmt: ' '
    },
    from: ' auto' ,//
    to: ' ' ,//
    is_load: false, //
    is_active: ' ' ,//
    baidu: {
      api_url: ' https: //fanyi-api. baidu. com/api/trans/vip/translate' ,
      appid: ' ' ,
      secret_key: ' '
    },
    youdao: {
      api_url: ' https: //openapi. youdao. com/api' ,
      appid: ' ' ,
      secret_key: ' '
```

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    },
    caiyun: {
      api_url: 'https://api.interpreter.caiyunai.com/v1/translator',
      appid: '',
      secret_key: ''
    },
    sogou: {

    },
    tmt: {
      api_url: 'https://bm.rss.ink/v1/tmt',
      appid: '',
      secret_key: ''
    }, // 百度
    err_msg: {
      content: '',
      status: false
    }, // 百度
    suc_msg: {
      content: '',
      status: false
    }, // 百度
    g_msg: {
      content: '',
      status: '',
      is_type: ''
    }
  },
  methods: {
    // 百度
    baidu_func: function() {
      console.log('百度');
      this.check_api('baidu');
      var appid = this.baidu.appid;
      var key = this.baidu.secret_key;
      var salt = (new Date).getTime();
      var query = this.content.trim();
      // 将 query 中的换行符替换为 \n
      query = 'apple\norange\nbanana\npear'
      var from = document.getElementById("from").value;
      //
      var to = get_to_lang(this.content);
    }
  }
}

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var str1 = appid + query + salt + key;
var sign = MD5(str1);

const params = new URLSearchParams();
params.append('q', query);
params.append('appid', appid);
params.append('salt', salt);
params.append('from', from);
params.append('to', to);
params.append('sign', sign);

axios
  .post(this.baidu.api_url, params)
  .then(
    response => (
      deal_baidu_results(response.data)

    )
  )
  .catch(function (error) { // 
    console.log(error);
  });
},
//
youdao_func: function(){
  this.check_api('youdao');
  var appKey = this.youdao.appid;
  var key = this.youdao.secret_key; //appSecret
  var salt = (new Date).getTime();
  var curtime = Math.round(new Date().getTime()/1000);
  var query = this.content;
  // query\n query='apple\norange\nbanana\npear'
  var from = 'auto';
  var to = get_to_lang(this.content);
  var str1 = appKey + truncate(query) + salt + curtime + key;

  var sign = CryptoJS.SHA256(str1).toString(CryptoJS.enc.Hex);

  const params = new URLSearchParams();
  params.append('q', query);

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    params.append(' appKey', appKey);
    params.append(' salt', salt);
    params.append(' from', from);
    params.append(' to', to);
    params.append(' sign', sign);
    params.append(' signType', ' v3' );
    params.append(' curtime', curtime);

    axios
    .post( this. youdao. api_url, params)
    .then(
        response => (
            deal_youdao_results(response.data)
        )
    )
    .catch(function (error) { // 处理异常
        console.log(error);
    });

    ,
    sogou_func: function(){
        this.is_load = false;
        console.log(' 搜狗搜索 ');
    }, // 搜狗搜索

    caiyun_func: function(){
        this.check_api(' caiyun' );
        var token = "token " + this.caiyun.secret_key;
        // 获取 token

        var source = this.content.split("\n");
        // 获取源文本

        var trans_type = this.from + '2' + get_to_lang(source);
        console.log(trans_type);
        var request_id = "demo";
        var detect = true;
        // this.is_load = false;

        // 调用接口

        axios.post( this. caiyun. api_url, {
            "source": source,
            "trans_type": trans_type,
            "request_id": request_id,
            "detect": detect

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    }, {
      headers: {
        'Content-Type': 'application/json',
        'x-authorization': token
      }
    })
  })
  .then(
    (response) => {
      deal_caiyun_results(response.data)
    }
  )
  .catch(function (error) { // 处理错误
    app.is_load = false;
    app.err_msg.content = error;
    this.is_load = false;
    app.err_msg.status = true;
    // 显示错误提示
    window.setTimeout(function(){
      app.err_msg.status = false;
    }, 3000);

    return false;
  });
}

// 处理搜索结果
tmt_func: function(){
  var SourceText = this.content;
  var Source = this.from;
  var Target = get_to_lang(SourceText);
  const params = new URLSearchParams();
  params.append('SourceText', SourceText);
  params.append('Source', Source);
  params.append('Target', Target);

  // 发送请求
  axios.post(this.tmt.api_url, params)
  .then(
    (response) => {
      deal_tmt_results(response.data)
    }
  )
}

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    catch(function (error) { // 错误
    app.is_load = false;
    app.err_msg.content = error;
    this.is_load = false;
    app.err_msg.status = true;
    // 显示错误
    window.setTimeout(function(){
    app.err_msg.status = false;
    }, 3000);
    return false;
    });
    ,
    // 语言切换
    switch_lang: function(source){

    // 语言切换
    if( source == 'from' ) {
    var from = document.getElementById(source).value;
    this.from = from;
    }
    else if( source == 'to' ) {
    var to = document.getElementById(source).value;
    this.to = to;
    }
    // 语言切换
    // 语言
    this.is_load = true;
    this.run_translation();

    ,
    // 语言
    choose_api: function(api_name){
    switch (api_name) {
    case 'baidu':
    this.api_name = 'baidu';
    console.log( this.api_name);
    //this.baidu_func();
    break;
    case 'youdao':
    this.api_name = 'youdao';
    console.log( this.api_name);

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        //this.youdao_func();
        break;
    case 'sogou':
        this.api_name = 'sogou';
        console.log( this.api_name);
        break;
    case 'tmt':
        this.api_name = 'tmt';
        console.log( this.api_name);
        break;
    case 'caiyun':
        this.api_name = 'caiyun';
        console.log( this.api_name);
        break;
    default:
        this.api_name = 'baidu';
        console.log( this.api_name);
        break;
    }
},
//测试
run_translation: function(){
    console.log('  ');
    console.log( this.api_name);
    //
    if( this.content == '' ){
        console.log(' ');
        //
        this.is_load = false;
        return false;
    }
    switch ( this.api_name) {
        case 'baidu':
            //console.log(' ');
            //this.test();
            this.baidu_func();
            //console.log(' ');
            break;
        case 'youdao':
            this.youdao_func();
            //console.log(' ');

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        break;
    case 'sogou':
        this.sogou_func();
        global_msg(' ');
        //console.log(' ');
        break;
    case 'tmt':
        this.tmt_func();
        //global_msg(' ');
        //console.log(' ');
        break;
    case 'caiyun':
        this.caiyun_func();
        //global_msg(' ');
        //console.log(' ');
        break;
    default:
        this.baidu_func();
        break;
    }
    }, //

    auto_run: function(){
        document.getElementById("from_content").blur();
        this.is_load = true;
        this.run_translation();
        utools.removeSubInput();
    },
    //

    switch_api: function(api_name){
        this.is_load = true;
        //
        this.choose_api(api_name);
        //
        //false
        for(let key in this.is_click){
            this.is_click[key] = false;
        }
        //

        this.is_click[api_name] = true;
        //

        this.run_translation();
    }

```



```

    }, // 初始化
    setting: function() {

        // 初始化
        this.is_active = 'is-active';
    },
    // 关闭窗口
    close_window: function() {
        this.is_active = '';

        // 保存设置
        save_setting: function(api) {
            switch (api) {
                case 'baidu':
                    u_set('bm_baidu_appid', deal_str(this.baidu.appid));
                    u_set('bm_baidu_secret_key', deal_str(this.baidu.secret_key));
                    global_msg('百度');
                    console.log(this.baidu.appid);
                    console.log('百度');
                    break;
                case 'youdao':
                    u_set('bm_youdao_appid', deal_str(this.youdao.appid));
                    u_set('bm_youdao_secret_key', deal_str(this.youdao.secret_key));
                    global_msg('有道');
                    console.log('有道');
                    break;
                case 'caiyun':
                    u_set('bm_caiyun_secret_key', deal_str(this.caiyun.secret_key));
                    global_msg('彩云');
                    console.log('彩云');
                    break;
                case 'api_name':
                    u_set('bm_default_api_name', document.getElementById('api_name').value);
                    this.default_api_name = u_get('bm_default_api_name');
                    global_msg('默认API名称');
                    console.log('默认API名称');
                    break;
                default:
                    break;
            }
        }
    }
}

```

```

    console.log(' ');
    }, //
    init: function(){
        //API
        this.baidu.appid = u_get('bm_baidu_appid');
        this.baidu.secret_key = u_get('bm_baidu_secret_key');
        //API
        this.youdao.appid = u_get('bm_youdao_appid');
        this.youdao.secret_key = u_get('bm_youdao_secret_key');
        //API
        this.caiyun.secret_key = u_get('bm_caiyun_secret_key');

        //
        if( u_get('bm_default_api_name') != null ){
            var api_name = u_get('bm_default_api_name');
            this.api_name = u_get('bm_default_api_name');
            //false
            for(let key in this.is_click){
                this.is_click[key] = false;
            }
            //
            this.is_click[api_name] = true;
            //
            this.default_api_name = u_get('bm_default_api_name');

        }
        else{
            this.default_api_name = 'tmt';

        }

        console.log(' ');
        }, //url
        open_url: function(url){
            utools.shellOpenExternal(url);
        }, //
        clear_result: function(){
            if( this.content == '' ){
                this.results = '';
            }
        }
    }

```

```

    }, // 百度
    check_api: function( api_name ){
        switch ( api_name ) {
            case 'baidu':
                if( this.baidu.secret_key == '' ){
                    global_msg( '百度API', 'is-danger' );
                    return false;
                }
                break;
            case 'youdao':
                if( this.youdao.secret_key == '' ){
                    global_msg( '有道API', 'is-danger' );
                    return false;
                }
                break;
            case 'caiyun':
                if( this.caiyun.secret_key == '' ){
                    global_msg( '彩云API', 'is-danger' );
                    return false;
                }
                break;
            default:
                break;
        }
    }, // 清除内容
    clear_content: function(){
        this.content = '';
        this.results = '';
        console.log( '清除内容' );
    },

});

function get_to_lang( content ){
    // 语言
    var to = document.getElementById( "to" ).value;
    // 自动语言
    if( to != 'auto' ) {
        return to;
    }

```

```

var pattern = new RegExp("[\u4E00-\u9FA5]+");
var pattern2 = new RegExp("[A-Za-z]+");

//判断语言
if(pattern.test(content)){
    return 'en';
}
else if(pattern2.test(content)){
    return 'zh';
}
}

```

```

//百度
function deal_baidu_results(results){
    console.log('百度');
    //判断
    app.is_load = false;
    console.log(results);
    if( results.error_code > 0 ) {
        console.log('百度');
        app.err_msg.content = results.error_msg;
        app.err_msg.status = true;
        //判断
        window.setTimeout(function(){
            app.err_msg.status = false;
        }, 3000);
        return false;
    }
    else{
        results = results.trans_result;
        var content = '';
        for(i = 0; i < results.length; i++) {
            content += results[i].dst + "\n\n";
        }
        app.results = content;
    }
}

```

```

//有道
function deal_youdao_results(results){
    console.log('有道');
    //判断
    app.is_load = false;

```

```

//=====
console.log(results);
//=====
if( results.errorCode > 0 ) {
switch (results.errorCode) {
case '101':
error_msg = ' ';
break;
case '102':
error_msg = ' ';
break;
case '103':
error_msg = ' ';
break;
case '104':
error_msg = ' API ';
break;
case '105':
error_msg = ' ';
break;
case '106':
error_msg = ' ';
break;
case '107':
error_msg = ' ';
break;
case '108':
error_msg = ' ID ';
break;
case '109':
error_msg = ' batchLog ';
break;
case '109':
error_msg = ' batchLog ';
break;
case '111':
error_msg = ' ';
break;
case '112':
error_msg = ' ';
break;
}
}

```

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        case '113':
            error_msg = 'q';
            break;
        default:
            error_msg = ' ';
            break;
    }

    console.log(' ');

    app.err_msg.content = error_msg;
    app.err_msg.status = true;

    //

    window.setTimeout(function(){
        app.err_msg.status = false;
    }, 3000);

    return false;
}

else{
    results = results.translation;
    var content = '';
    for(i = 0; i < results.length; i++) {
        content += results[i] + "\n";
    }
    app.results = content;
}

}

//

function deal_caiyun_results(results){
    console.log(' ');

    //

    app.is_load = false;
    console.log(results);
    if( results.target == '' ) {
        console.log(' ');
        app.err_msg.content = results.error_msg;
        app.err_msg.status = true;

        //

        window.setTimeout(function(){
            app.err_msg.status = false;
        }, 3000);

        return false;
    }
}

```

```

    }
    else{
        results = results.target;
        var content = '';
        for(i = 0; i < results.length; i++) {
            content += results[i] + "\n";
        }
        app.results = content;
    }
}

//初始化
function deal_tmt_results(results){
    console.log('  ');
    //
    app.is_load = false;
    console.log('  + results.TargetText);
    //
    if( results.TargetText == undefined ){
        app.err_msg.content = results.Response.Error.Message;
        app.err_msg.status = true;
        //
        window.setTimeout(function(){
            app.err_msg.status = false;
        }, 3000);
    }
    else{
        app.results = results.TargetText;
    }

}

//
function truncate(q){
    var len = q.length;
    if(len<=20) return q;
    return q.substring(0, 10) + len + q.substring(len-10, len);
}

//utils
function u_get(key){
    var result = utools.db.get(key);

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if( result == null ){
    return null;
}
else{
    return utools.db.get(key).data;
}
}

function u_set(key,value){
    //设置
    var result = utools.db.get(key);
    if( result == null ){
        utools.db.put({
            _id: key,
            data: value
        });
    }
    else{
        utools.db.put({
            _id: key,
            data: value,
            _rev: result._rev
        });
    }
}

//设置
function global_msg(content,is_color = 'is-success'){
    if( is_color == null ) {
        app.g_msg.is_type = 'is-success';
    }
    else{
        app.g_msg.is_type = is_color;
    }
    //global_msg('dfdsf','is-message')this.g_msg.is_type = (is_type == null) ? 'is-success' : 'is-
danger';
    app.g_msg.content = content;
    app.g_msg.status = true;
    window.setTimeout(function(){
        app.g_msg.status = false;
    },3000);
}

```



```

//复制
//粘贴
function copy_result(str_type){
    var copy = new clipBoard('', {
        beforeCopy: function() {
            //var content = app.results;
        },
        copy: function() {
            if( str_type == 'content' ){
                global_msg(' 复制 ');
                return app.content;
            }
            else if( str_type == 'results' ){
                global_msg(' 复制 ');
                return app.results;
            }
        },
        afterCopy: function() {

        }
    });
}

```

```

//判断
function deal_str(str){
    //判断
    var result = str.trim();
    return result;
}

//判断字符串
function check_str(str){
    console.log(' zifuchuan:' + str.length);
    if ( str.length == 0 ) {
        global_msg(' 字符串 ', 'is-danger');
        console.log(' 字符串 ');
        return false;
    }
    else if( str.length < 8) {
        global_msg(' 字符串 ', 'is-danger');
        return false;
    }
}

```

☞

}

☞ #2

☞ xiaoz ☞ 21 ☞ 2021 07:34:19

☞ xiaoz ☞ 27 ☞ 2021 11:48:27