1. */\*\**

*\* 用户注册、登录*

*接口（接口随便定，只需前台和后台一致即可 ）：*

*/user?act=reg&user=aaa&pass=123456 => user接口,参数act值为reg，user值为aaa，pass值为123456*

*{"ok": false, "msg": "原因"}*

*/user?act=login&user=aaa&pass=123456*

*{"ok": true, "msg": "原因"}*

*对文件访问：*

*http://localhost:8080/1.html*

*http://localhost:8080/ajax.js*

*http://localhost:8080/1.jpg*

*对接口访问：*

*http://localhost:8080/user?act=xx...*

*http://localhost:8080/news?act=xxx...*

*\*/*

const http = **require**('http');

const fs = **require**('fs');

const querystring = **require**('querystring');

const urlLib = **require**('url');

let users = { *//暂时模拟数据库里的数据*

}

const server = http.**createServer**(function (req, res) {

*//解析数据*

let str = '';

req.**on**('data', function (data) {

str += data;

});

req.**on**('end', function () {

const obj = urlLib.**parse**(req.url, true);

const url = obj.pathname;

const GET = obj.query;

const POST = querystring.**parse**(str);

*//区分——接口、文件*

if (url == '/user') { *//接口*

switch (GET.act) {

case 'reg': {

*//1.检查用户名是否已经有了*

if (users[GET.user]) {

res.**write**('{"ok": false, "msg": "此用户已存在"}');

} else {

*//2.插入users*

users[GET.user] = GET.pass;

res.**write**('{"ok" : true, "msg" : "注册成功"}')

}

break;

}

case 'login': {

*//1.检查用户名是否存在*

if (users[GET.user] == null) {

res.**write**('{"ok" : false, "msg" : "此用户不存在"}')

} else if (users[GET.user] != GET.pass) { *//2.检查密码是否正确*

res.**write**('{"ok" : false, "msg" : "用户名或密码有误"}')

} else {

res.**write**('{"ok" : true, "msg" : "登陆成功"}')

}

break;

}

default: {

res.**write**('{"ok": false, "msg": "未知的act"}')

}

}

res.**end**();

} else { *//文件*

*//读取文件*

let file\_name = './www' + req.url;

fs.**readFile**(file\_name, function (err, data) {

if (err) {

res.**write**('404');

} else {

res.**write**(data);

}

res.**end**();

})

}

});

})

server.**listen**(8080);

<!DOCTYPE html>

<html *lang*="en">

<head>

<meta *charset*="UTF-8">

<meta *name*="viewport" *content*="width=device-width, initial-scale=1.0">

<meta *http-equiv*="X-UA-Compatible" *content*="ie=edge">

<title>Document</title>

<script *src*="./ajax.js"></script>

<script *type*="text/javascript">

window.**onload** = function () {

let oTextUser = document.**getElementById**('user');

let oTextPass = document.**getElementById**('password');

let oBtnReg = document.**getElementById**('reg\_btn');

let oBtnLogin = document.**getElementById**('login\_btn');

oBtnReg.**onclick** = function () {

**ajax**({

url: './user',

data: {

act: 'reg',

user: oTextUser.value,

pass: oTextPass.value

},

type: 'get',

**success**: function (str) {

let json = JSON.**parse**(str);

if (json.ok) {

**alert**('注册成功');

} else {

**alert**('注册失败：' + json.msg);

}

},

**error**: function () {

**alert**("通信失败")

}

})

}

oBtnLogin.**onclick** = function () {

**ajax**({

url: './user',

data: {

act: 'login',

user: oTextUser.value,

pass: oTextPass.value

},

type: 'get',

**success**: function (str) {

let json = JSON.**parse**(str);

if (json.ok) {

**alert**('登陆成功');

} else {

**alert**('登录失败：' + json.msg);

}

},

**error**: function () {

**alert**("通信失败")

}

})

}

}

</script>

</head>

<body>

用户名：

<input *type*="text" *name*="user" *id*="user">

<br> 密码：

<input *type*="password" *name*="pass" *id*="password">

<br>

<button *id*="reg\_btn">注册</button>

<button *id*="login\_btn">登陆</button>

</body>

</html>

1. Ajax.js

function **json2url**(json) {

var arr = [];

for (var name in json) {

arr.**push**(name + '=' + json[name]);

}

return arr.**join**('&');

}

function **ajax**(json) {

json = json || {};

if (!json.url) return;

json.data = json.data || {};

json.type = json.type || 'get';

var timer = null;

if (window.XMLHttpRequest) {

var oAjax = new **XMLHttpRequest**();

} else {

var oAjax = new **ActiveXObject**('Microsoft.XMLHTTP');

}

switch (json.type) {

case 'get':

oAjax.**open**('GET', json.url + '?' + **json2url**(json.data), true);

oAjax.**send**();

break;

case 'post':

oAjax.**open**('POST', json.url, true);

oAjax.**setRequestHeader**('Content-Type', 'application/x-www-form-urlencoded');

oAjax.**send**(**json2url**(json.data));

break;

}

oAjax.onreadystatechange = function () {

if (oAjax.readyState == 4) {

**clearTimeout**(timer);

if (oAjax.status >= 200 && oAjax.status < 300 || oAjax.status == 304) {

json.success && json.**success**(oAjax.responseText);

} else {

json.error && json.**error**(oAjax.status);

}

}

};

}