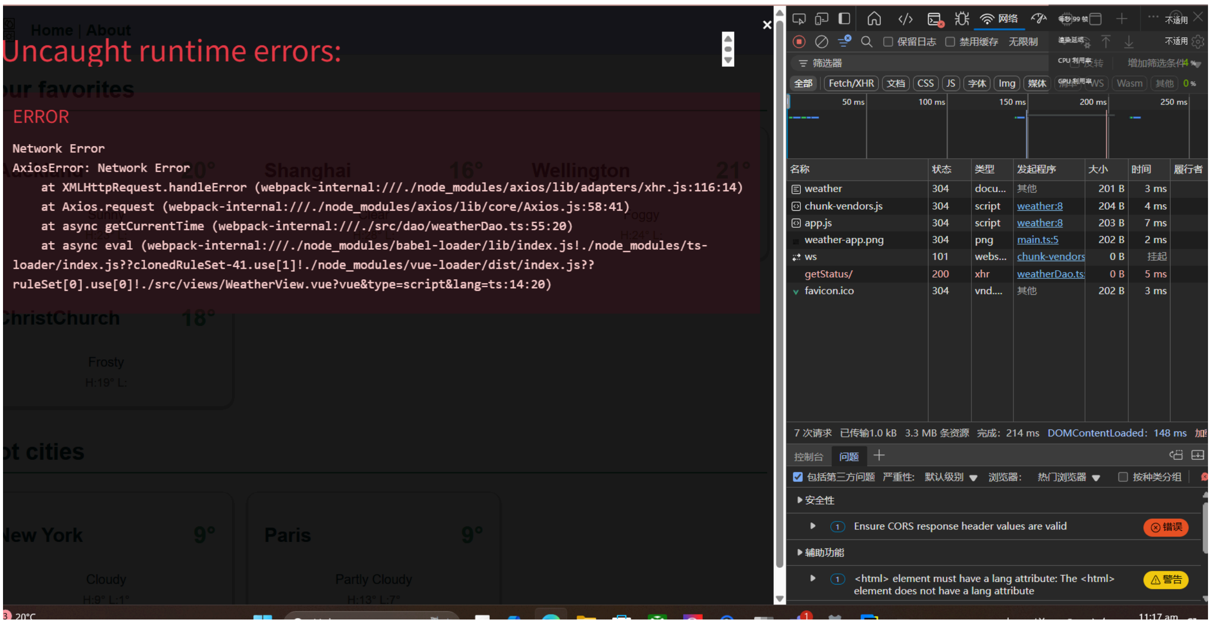
CROS issue

In frontend development, I sent out an initial request in client-side with /getStatus/ of axios, and the backend actually responded. Somehow the webpage keeps throwing error messages. After checking the inspection panel, I discovered some tricky parts:

It shows that the frontend and backend works flawlessly, what stops the process from working is the "CORS".

Since I'm developing frontend locally in port http://localhost:8082/, while requesting http://127.0.0.1:8000/getStatus/ for a testing message, the platform detected such cross-platform action, and interrupted the session with an 404 error message.



Uncaught runtime errors:

ERROR

```
Network Error
AxiosError: Network Error
    at XMLHttpRequest.handleError (webpack-internal:///./node_modules/axios/lib/adapters/xhr.js:116:14)
    at Axios.request (webpack-internal:///./node_modules/axios/lib/core/Axios.js:58:41)
    at async getCurrentTime (webpack-internal:///./src/dao/weatherDao.ts:55:20)
    at async eval (webpack-internal:///./node_modules/babel-loader/lib/index.js!./node_modules/ts-
loader/index.js??clonedRuleSet-41.use[1]!./node_modules/vue-loader/dist/index.js??
ruleSet[0].use[0]!./src/views/WeatherView.vue?vue&type=script&lang=ts:14:20)
```

名称	状态	类型	发起程序	大小	时间	履行者
weather	304	docu...	其他	201 B	3 ms	
chunk-vendors.js	304	script	weather:8	204 B	4 ms	
app.js	304	script	weather:8	203 B	7 ms	
weather-app.png	304	png	main.ts:5	202 B	2 ms	
ws	101	webs...	chunk-vendors	0 B	挂起	
getStatus/	200	xhr	weatherDao.ts	0 B	5 ms	
favicon.ico	304	vnd....	其他	202 B	3 ms	

7 次请求 已传输1.0 kB 3.3 MB 条资源 完成：214 ms DOMContentLoaded：148 ms

☑ 包括第三方问题 严重性： 默认级别 浏览器： 热门浏览器 □ 按种类分组

安全性

1 Ensure CORS response header values are valid 错误

辅助功能

1 <html> element must have a lang attribute: The <html> element does not have a lang attribute 警告

How to Handle it?

1. Installing CORS library in Django terminal:

```
pip install django-cors-headers
```

2. Modifying settings.py

open settings.py and do the following：

In INSTALLED_APPS , add 'corsheaders' :

```
INSTALLED_APPS = [

    'corsheaders',  # Over here has to be on top
```

```
        'django.contrib.admin',
        'django.contrib.auth',
        'django.contrib.contenttypes',
        'django.contrib.sessions',
        'django.contrib.messages',
        'django.contrib.staticfiles',
        'api',  # your API
]
```

In middleware section, add 'corsheaders.middleware.CorsMiddleware'to the very top

```
MIDDLEWARE = [
'corsheaders.middleware.CorsMiddleware',  # has to be the verytop
'django.middleware.security.SecurityMiddleware',
'django.contrib.sessions.middleware.SessionMiddleware',
'django.middleware.common.CommonMiddleware',
…
]
```

In setting.py, enable all CORS

```
CORS_ALLOW_ALL_ORIGINS = True
```

That's for development, change it to a dedicated domain when stable.

PS: REMEMBER TO RESTART THE SERVER

```
python manage.py runserver
```