

Week 3: Node.js Web

Node HTTP Advanced

<https://www.runoob.com/nodejs/nodejs-module-system.html>

Task 1

Set up a fileserver to stream an MP3 file to the browser

Node HTTP Route

<https://www.runoob.com/nodejs/nodejs-router.html>

Task2

On the basis of the fileserver above, access `http://localhost:port/play` to get a stream of MP3 files(ps:The MP3 stream uploaded to the browser above)

Simplified HTTP request tool Axios

In today's Javascript web development community, whether front-end or back-end, the vast majority of HTTP requests are sent directly using HTTP libraries, but use the open-source Axios library, which provides a more secure and faster HTTP request experience.

<http://nodejs.cn/learn/make-an-http-post-request-using-nodejs>

Task 3

<https://www.liaoxuefeng.com/wiki/1022910821149312/1023025778520640>

In this project, you need to build a simple front-end to facilitate interaction. The first step is to build a minimal login form in the front-end HTML, asking for an account number, password, and remember my computer checkbox. At the same time, you need to have a sign up page, which also requires account password, and password again. At the time of submission, the following form content needs to be submitted to 127.0.0.1 through the Axios post:

```
{  
  
  "user": "",  
  
  "secret": "",
```

```
"remember": true or false  
}
```

Where secret uses AES-128-ECB encrypted ciphertext with a custom key. Given that the server-side response is the follow-up, the above JSON can first be printed in the browser using the console .log.

Task 4

<https://developer.musixmatch.com/>

After obtaining a free license from MusiXMatch, use Axios to send a request to get the text information of the lyrics based on Artist, Title, Album.