

MOODLE ŠPIJUN

IVOVIĆ BOJANA 637/2018



ŠTA JE MOODLE ŠPIJUN?

- štampa poslednju aktivnost određenog korisnika i beleži novu aktivnost

- Korišćen je Python i dve biblioteke: BeautifulSoup i Requests, za izvlačenje podataka iz HTML-a

1. Šalje se zahtev serveru za preuzimanje sadržaja web lokacije
2. Filtrira se HTML stranica u potrazi za određenim tagom
3. Kopira se tekst unutar taga, i ispisuje u navedenom formatu

```
cookies = { 'MoodleSession': 'cibfkq0a81bpgsc9h8mdschl63'
}

headers = {
    'Connection': 'keep-alive',
    'Cache-Control': 'max-age=0',
    'Upgrade-Insecure-Requests': '1',
    'User-Agent': 'Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like G
    'Accept': 'text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,ima
    'Accept-Language': 'en-US,en;q=0.9',
}

url = 'http://moodle.fink.rs/user/profile.php?id=1020';

def makeI():
    response = requests.get(url, headers=headers, cookies=cookies, verify=False)
    soup = BeautifulSoup(response.text, 'html.parser')
    content = soup.findAll('li', {'class', 'contentnode'})

    content = content[len(content) - 1]
    t = str(content.findAll('dd')[0])
    global init;
    init = '';
    for c in t[4:]:
        if c == '(': break
        init += c

    init= init.strip()
    print(init)
```

- Sa određenog profila na moodle-u se preuzima njegov cookies I headers (cURL konvertovati u Python)

Convert curl syntax to Python, Node.js, PHP, R, Go, Rust, Elixir, Java, MATLAB, Ansible URI, Strest, Dart and JSON

GitHub

Star

4,687

curl command

```
curl "http://moodle.timkts.com/prime.php?id=1020"
-H "Connection: keep-alive" ^
-H "Cache-Control: max-age=0" ^
-H "Upgrade-Insecure-Requests: 1" ^
-H "User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/93.0.4577.63 Safari/537.36" ^
-H "Accept:
text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/ap
ng,*/*;q=0.8,application/signed-exchange;v=b3;q=0.9" ^
-H "Accept-Language: en-US,en;q=0.9" ^
-H "Cookie: MoodleSession=fhhgg45umpramfa23emhff924" ^
--compressed ^
--insecure
```

Examples: GET - POST - Basic Auth

Python requests

```
headers = {
    'Connection': 'keep-alive',
    'Cache-Control': 'max-age=0',
    'Upgrade-Insecure-Requests': '1',
    'User-Agent': 'Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/93.0.4577.63 Safari/537.36',
    'Accept':
'text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/a
png,*/*;q=0.8,application/signed-exchange;v=b3;q=0.9',
    'Accept-Language': 'en-US,en;q=0.9',
}
```

... `<section class="node_category">...</section> == $0`

... `html.yui3-js-enabled body#page-user-profile.format-site.path-user.chrome.dir-ltr.lang-en.yui-skin-sam.yui3-s`

⋮ Console What's New Issues

▶ 🔇 top 🔍 Filter

> `document.cookie`

< `'MoodleSession=cibfkq0a81bpgsc9h8mdsch163'`

The screenshot shows the Chrome DevTools Network panel. The top toolbar includes buttons for 'Filter', 'Hide data URLs', 'All', 'Fetch/XHR', 'JS', 'CSS', 'Img', 'Media', 'Font', 'Doc', 'WS', and 'Wasm'. Below the toolbar, a table of network requests is displayed with columns for 'Name', 'Status', 'Type', and 'Initiator'. The 'f2' request is selected, and a right-click context menu is open. The menu options are: 'Open in Sources panel', 'Open in new tab', 'Clear browser cache', 'Clear browser cookies', 'Copy', 'Block request URL', 'Block request domain', 'Sort By', 'Header Options', 'Save all as HAR with content', and 'Save as...'. The 'Copy' option is highlighted, and a sub-menu is visible with options: 'Copy link address', 'Copy request headers', 'Copy response headers', 'Copy response', 'Copy as PowerShell', 'Copy as fetch', 'Copy as Node.js fetch', 'Copy as cURL (cmd)', 'Copy as cURL (bash)', and 'Copy all as DevTools'.

Name	Status	Type	Initiator
profile.php?id=1020	200	document	Other
yui_combo.php?rollup	200	stylesheet	/user/p
all	200	stylesheet	/user/p
yui_combo.php?rollup	200	script	/user/p
jquery-3.2.1.min.js	200	script	/user/p
javascript-static.js	200	script	/user/p
f2			/user/p
f1			/user/p
fontawesome-webfont			all
headerbg			profile
require.min.js			profile
scrolltotop.js			profile
scrollspy.js			profile
blockslider.js			profile
yui_combo.php?m/16			yui co
first.js			require
jquery-3.2.1.min.js			require

```
content = soup.findAll('li', {'class', 'contentnode'})
```

```
content = content[len(content) - 1]
```

```
t = str(content.findAll('dd')[0])
```

```
global init;
```

```
init = '';
```

```
for c in t[4:]:
```

```
    if c == '(': break
```

```
    init += c
```

```
init= init.strip()
```

```
<li class="contentnode">
```

```
<dl>
```

```
<dt>Last access to site</dt>
```

```
<dd>
```

```
  ::before
```

```
"Wednesday, 8 September 2021, 6:17 PM&nbsp;   (1 hour 54 mins)"
```

```
  ::after
```

```
</dd>
```

```
</dl>
```

```
</li>
```

- Cilj je pronaći poslednje zabeleženo vreme logovanja određenog profila, upamtiti tu vrednost i kada dođe do promene, znači da je korisnik ulogovan
- Najpre vršimo pretragu za li tagom, tražeći klasu contentnode, pa u tom tagu dd tag u kom se nalazi vreme

- Fja koja poredi aktivnosti i ispisuje kada je korisnik ulogovan

```
def compare():  
    makeResponse()  
    if(targetString != init):  
        print('Korisnik je ulogovan.')  
        print(targetString)  
        sound()
```





HVALA
NA
PAŽNJI