

Lab Task 1: Observing HTTP Request:

3.1. Please use this tool to capture an HTTP GET request and an HTTP POST request in Elgg.
In your report, please identify the parameters used in these requests, if any

Results & Comments:

GET request:

The screenshot shows a Mozilla Firefox browser window with the title "CSRF Lab Site - Mozilla Firefox". The address bar displays "www.csrflabelgg.com". The page content includes a blue header with the text "CSRF Lab Site" and a "Log in" button. Below the header, there is a section titled "Latest activity" showing three entries: "Samy is now a friend with Charlie yesterday", "Samy is now a friend with Charlie yesterday", and "Charlie is now a friend with Samy yesterday".

Overlaid on the left side of the browser window is a tool titled "HTTP Header Live". It displays two HTTP GET requests:

```
GET: HTTP/1.1 304 NOT MODIFIED
Date: Sat, 28 Sep 2019 18:04:11 GMT
Server: Apache/2.4.18 (Ubuntu)
Connection: Keep-Alive
Keep-Alive: timeout=5, max=84

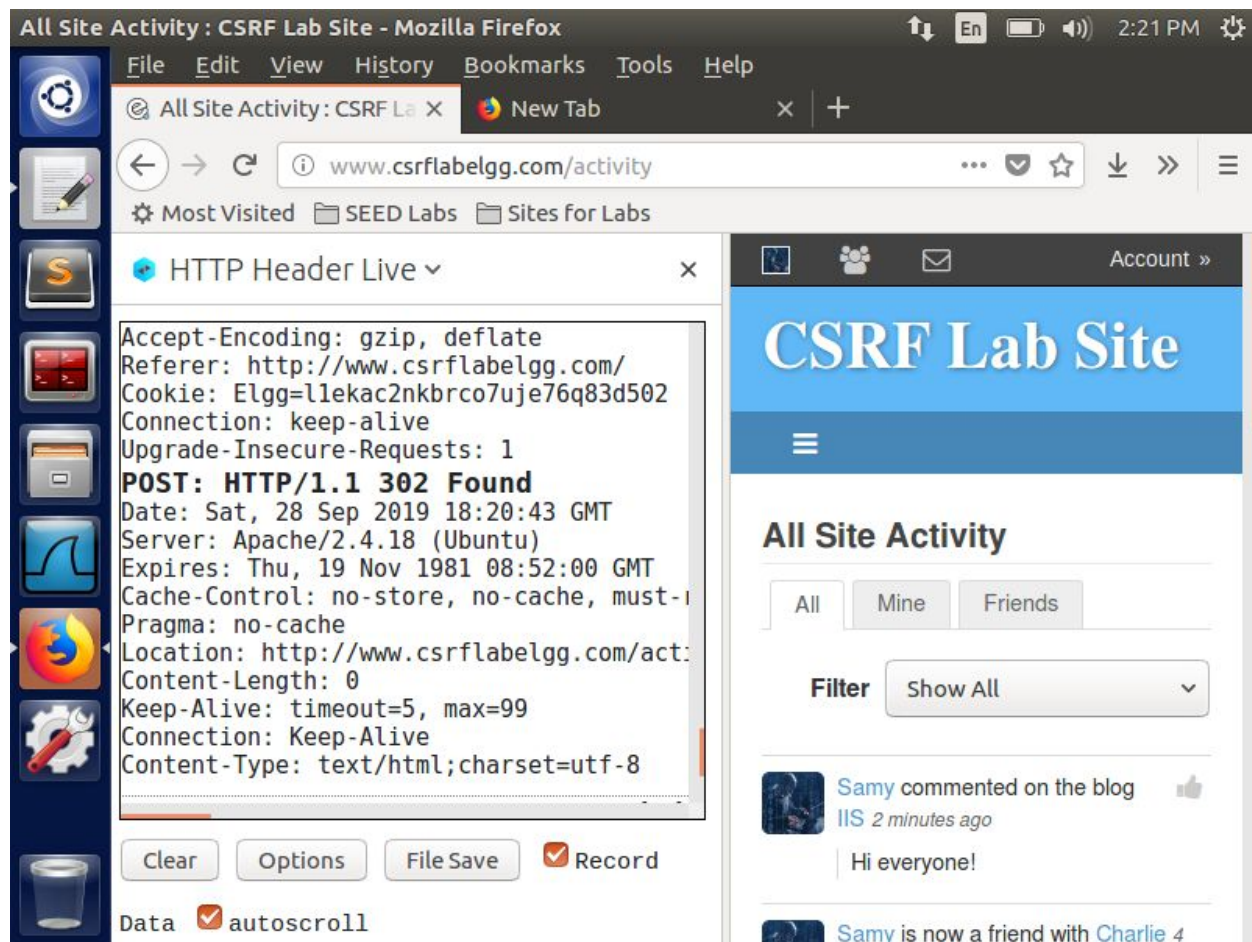
GET: HTTP/1.1 200 OK
Expires: Sat, 28 Mar 2020 17:56:22 GMT
Pragma: public
Cache-Control: public
ETag: "1549469429-gzip"
Vary: Accept-Encoding
Content-Encoding: gzip
Content-Length: 368
Content-Type: application/javascript;cha
Date: Sat, 28 Sep 2019 18:04:11 GMT
Server: Apache/2.4.18 (Ubuntu)
```

At the bottom of the tool, there are buttons for "Clear", "Options", "File Save", and "Record" (which is checked). There is also a "Data" section with an "autoscroll" checkbox (which is checked).

This GET request was initiated when we clicked on All Activity

The parameters when adding a friend are friend, __elgg_ts and __elgg_token.

POST Request:



This POST request was initiated when we logged in as Samy.

The parameters required for the profile update form are- __elgg_ts, __elgg_token, name, description, briefdescription, accesslevel[briefdescription] and guid.

Lab Task 2: 3.2:CSRF Attack using GET Request:

Pretend that you are Bobby, describe how you can construct the content of the web page, so as soon as Alice visits the web page, Bobby is added to the friend list of Alice (assuming Alice has an active session with Elgg).