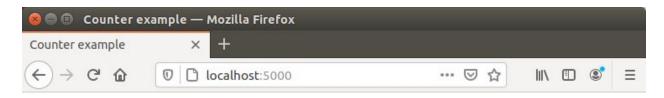
Alfonso Figueroa Ryan Luong CPSC 449 Professor Avery

Server-Side Sessions

Project 3

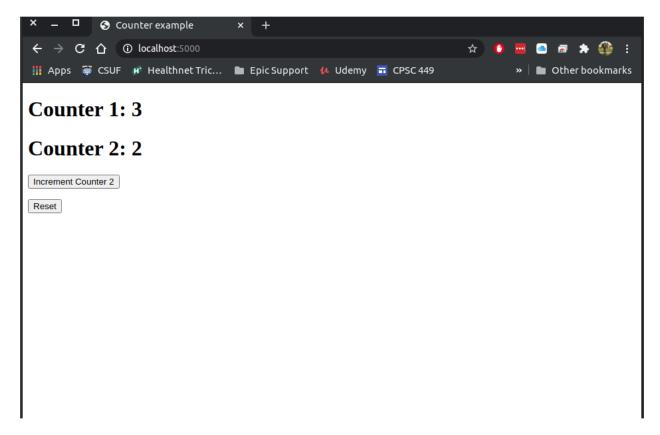


Counter 1: 2

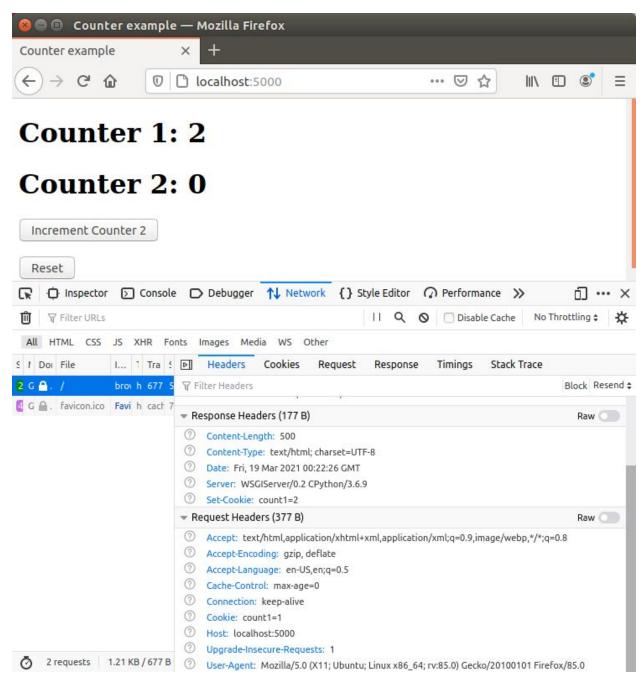
Counter 2: 1



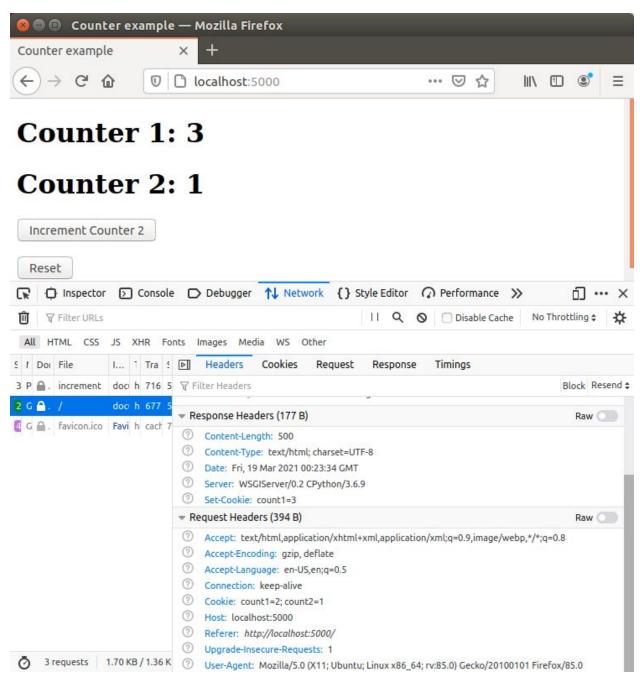
This screenshot shows the counter the first time it is run on Firefox.



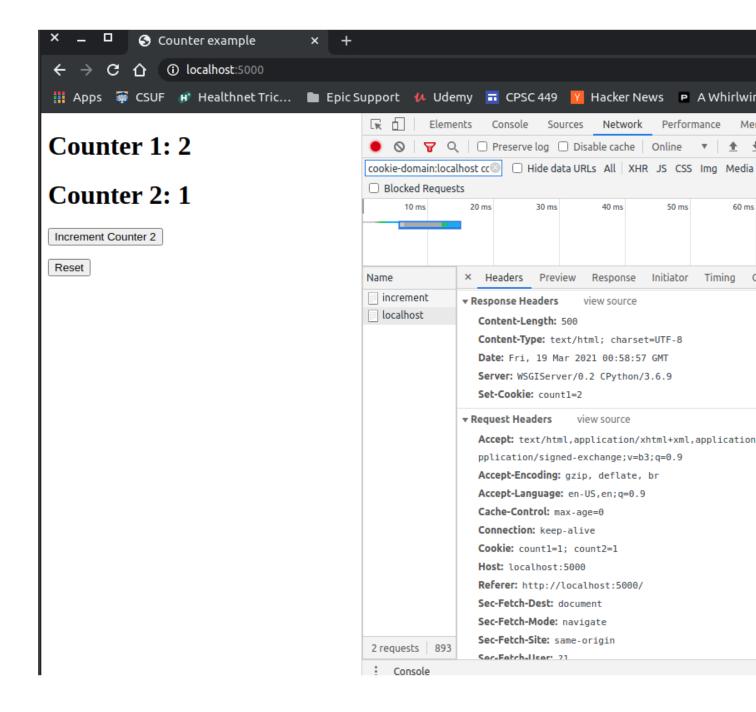
The screenshot shows the first time the counter is run on Google Chrome.



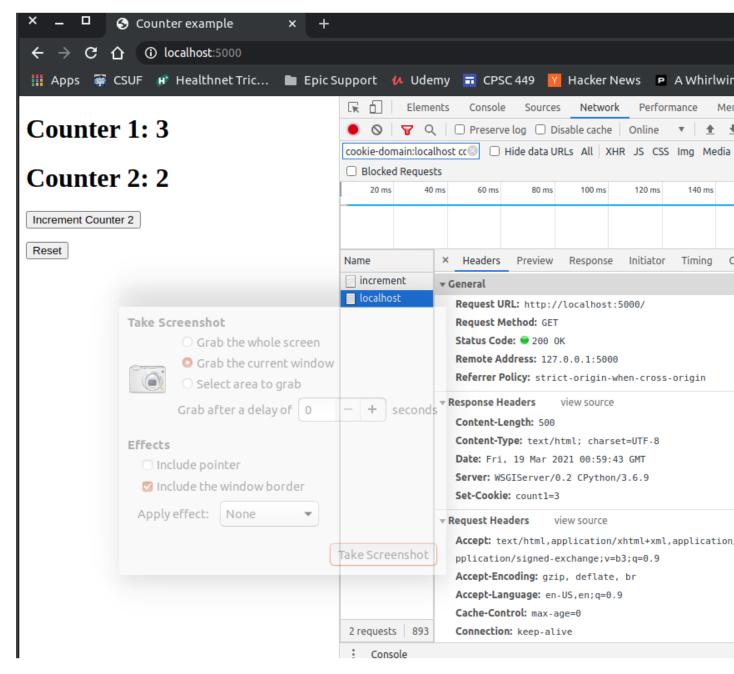
This screenshot shows the Set-Cookie's value in the Response Headers the first time the counter starts up on Firefox (The Set-Cookie won't show up in the Response Headers the first time for some reason so that is why counter 1 value is 2)



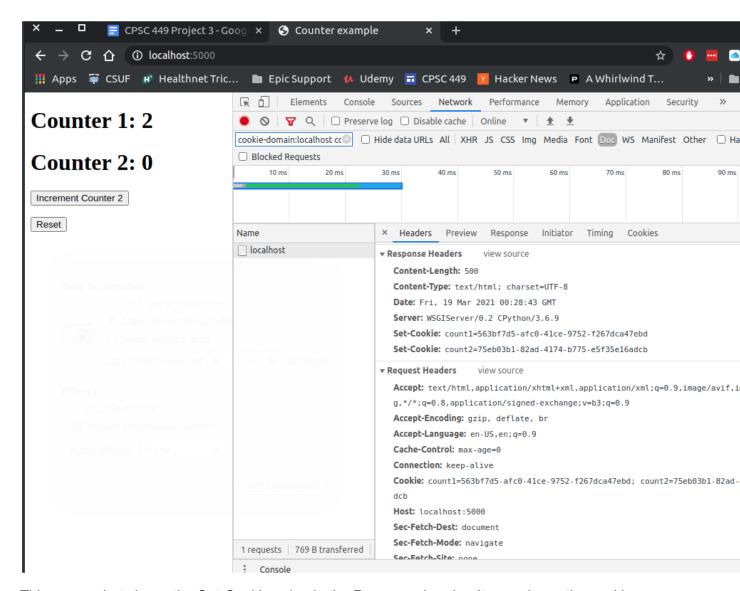
This screen shot shows the Set-Cookie value in the Response Headers with the incremented value in Firefox.



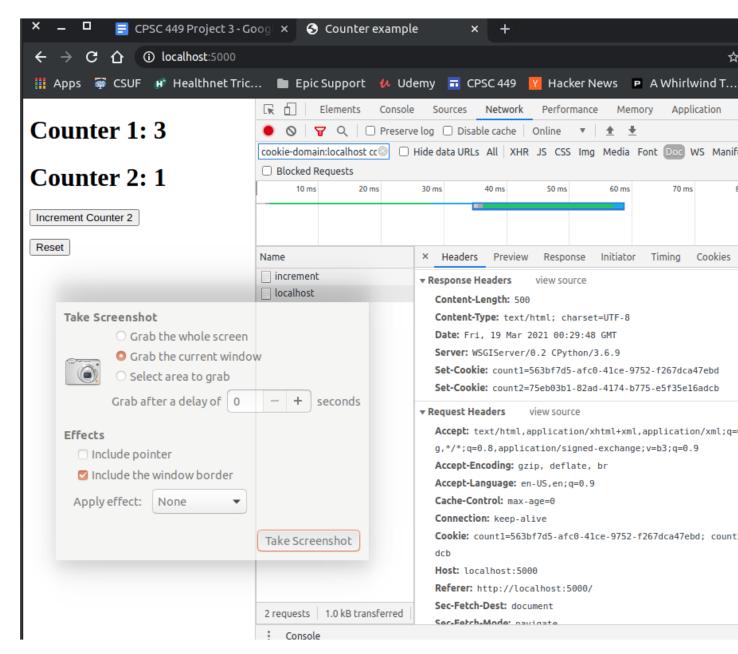
This screenshot shows the Set-Cookie's value in the Response Headers the first time the counter starts up on Google Chrome (The Set-Cookie won't show up in the Response Headers the first time for some reason so that is why counter 1 value is 2)



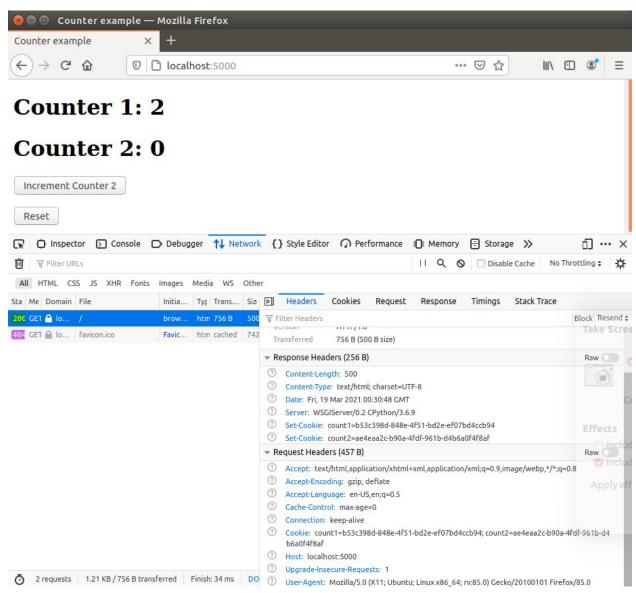
This screen shot shows the Set-Cookie value in the Response Headers with the incremented value in Google Chrome.



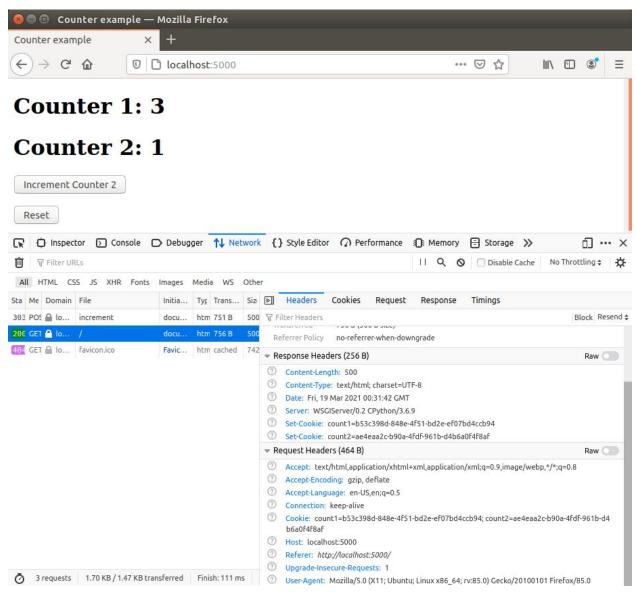
This screenshot shows the Set-Cookie value in the Response header. It now shows the cookie value as the session id instead of the counter value. (Google Chrome won't load up the Set-Cookie in the Response Header the first time so that is why the counter 1 is 2 instead of 1. You must refresh the page first)



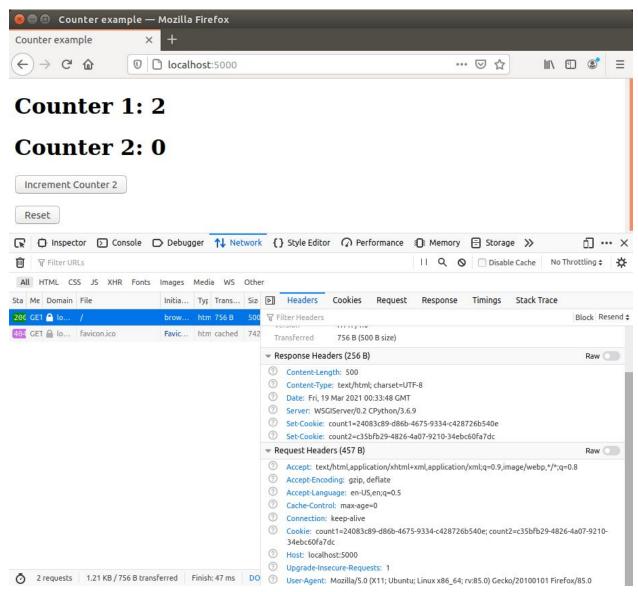
This screenshot shows the Set-Cookie value in the Response Header after the page get refreshed along with counter 2 being incremented. The Set-Cookie and the cookies' value are still the same even with the incrementation. This is on Google Chrome.



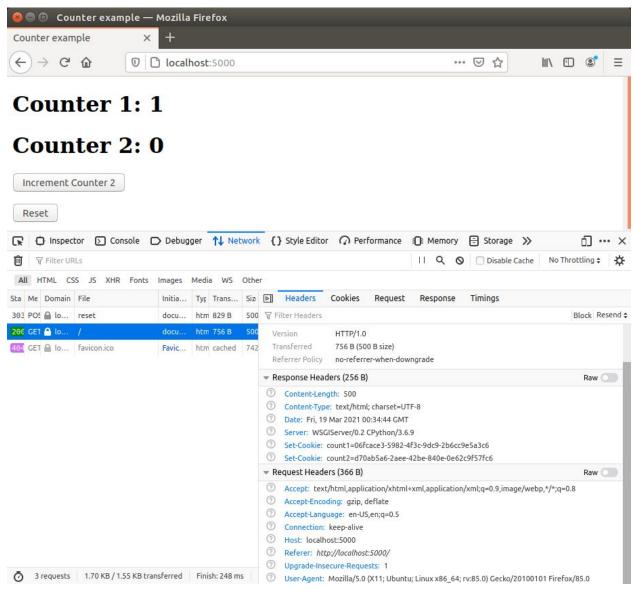
This screenshot shows the Set-Cookie value in the Response header. It now shows the cookie value as the session id instead of the counter value. (Firefox won't load up the Set-Cookie in the Response Header the first time so that is why the counter 1 is 2 instead of 1. You must refresh the page first)



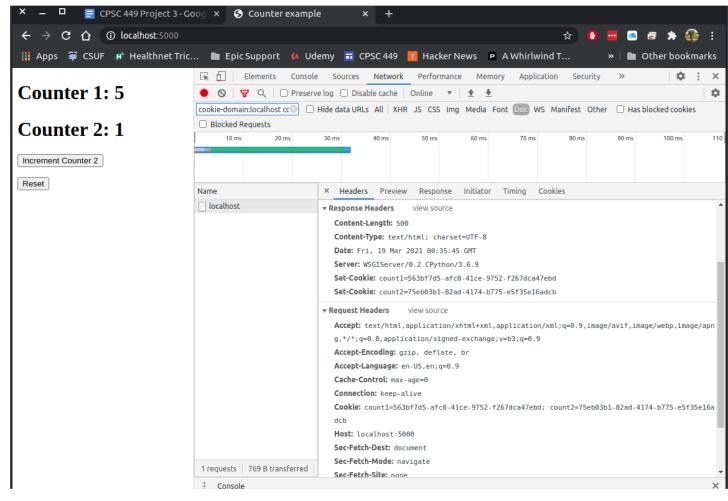
This screenshot shows the Set-Cookie value in the Response Header after the page get refreshed along with counter 2 being incremented. The Set-Cookie and the cookies' value are still the same even with the incrementation. This is on Firefox.



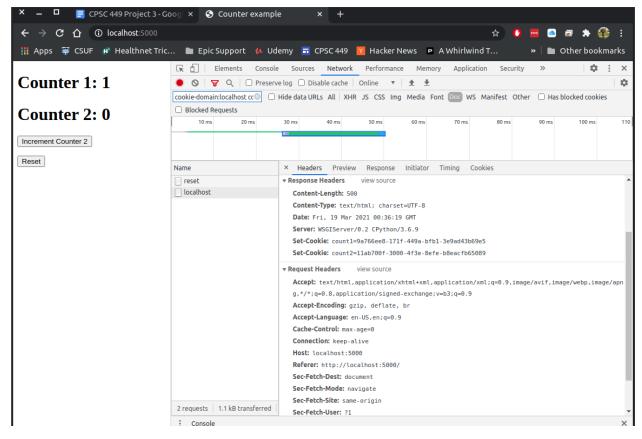
In this screenshot for firefox we have counter 1 = 2 and counter 2 = 0. The Set-Cookie for count 1 = 24083c89-d86b-4675-9334-c428726b540e and the Set-Cookie for count 2 = c35bfb29-4826-9210-34ebc60fa7dc.



Once the reset button is hit count 1 value is now 06fcace3-5982-4f3c-9dc9-2b6cc9e5a3c6 and the value for count 2 is now d70ab5a6-2aee-42be-840e-0e62c9f57fc6.



In this screenshot for Google chrome we have counter 1 = 5 and counter 2 = 1. The Set-Cookie for count 1 = 563bf7d5-afc0-41ce-9752-f267dca47ebd and the Set-Cookie for count 2 = 75eb031b1-82ad-4174-b775-e5f35e16adcb.



Once the reset button is hit count 1 value is now 9a766ee8-171f-449a-bfb1-3e9ad43b69e5 and the value for count 2 is now 11ab700f-3000-4f3e-8efe-b8eacfb65089.

```
alfonso@alfonso-System-Product-Name: ~/Desktop/backEndWeb/serverSideSession alfonso@alfonso-System-Product-Name: ~/Desktop/backEndWeb/serverSideSession$ ./dump.py http://localhost:5100 {'5f116cc0-b135-4125-a7e3-016ec979b583': '1'} {'a0c35712-b85a-4556-9c81-3c1c02a9fa93': '0'} alfonso@alfonso-System-Product-Name: ~/Desktop/backEndWeb/serverSideSession$ ■
```

Running the command ./dump.py http://localhost:5100 will return the keys and values in the key-value store. In this case, the session id along with the counter value are returned.