

CS532 Assignment 1

1.

The curl POST command:

```
curl --data "user=Catherine&message=What the absolute frick, man."  
http://webscience.zzstack.com/send_simpleform.php
```

The resulting response:

```
<!DOCTYPE html>  
  
<html>  
  
<script  
type="text/javascript">window.NREUM||(NREUM={}),__nr_require=function(e,  
n,t){function r(t){if(!n[t]){var o=n[t]={exports:{}};e[t][0].call(o.exports,function(n){var o=e[t][1][n];return r(o||n)},o,o.exports)}return n[t].exports}if("function"==typeof __nr_require)return __nr_require;for(var o=0;o<t.length;o++)r(t[o]);return r}({QJf3ax:[function(e,n){function t(e){function n(n,t,a){e&&e(n,t,a),a||(a={});for(var u=c(n),f=u.length,s=i(a,o,r),p=0;p<f;p++)u[p].apply(s,t);return s}function a(e,n){f[e]=c(e).concat(n)}function c(e){return f[e]||[]}function u(){return t(n)}var f={};return{on:a,emit:n,create:u,listeners:c,_events:f}}function r(){return{}}var o="nr@context",i=e("gos");n.exports=t(),{gos:"7eSDFh"}],e:ee:[function(e,n){n.exports=e("QJf3ax")},{},{}],3:[function(e,n){function t(e){return function(){r(e,[(new Date).getTime()].concat(i(arguments)))}}var r=e("handle"),o=e(1),i=e(2);"undefined"==typeof window.newrelic&&(newrelic=window.NREUM);var a=["setPageViewName","addPageAction","setCustomAttribute","finished","addToTrace","inlineHit","noticeError"];o(a,function(e,n){window.NREUM[n]=t("api-"+n)}),n.exports=window.NREUM},{1:12,2:13,handle:"D5DuLP"}],gos:[function(e,n){n.exports=e("7eSDFh")},{},{}],7eSDFh:[function(e,n){function t(e,n,t){if(r.call(e,n))return e[n];var o=t();if(Object.defineProperty&&Object.keys)try{return Object.defineProperty(e,n,{value:o,writable:!0,enumerable:!1}),o}catch(i){}return e[n]=o,o}var r=Object.prototype.hasOwnProperty;n.exports=t},{},{}],D5DuLP:[function(e,n){function t(e,n,t){return r.listeners(e).length?r.emit(e,n,t):void(r.q&&(r.q[e]||(r.q[e]=[]),r.q[e].push(n)))}var r=e("ee").create();n.exports=t,t.rr=r,r.q={},{ee:"QJf3ax"}],handle:[function(e,n){n.exports=e("D5DuLP")},{},{}],XL7HBI:[function(e,n){function t(e){var n=typeof e;return!e||"object"!==n&&"function"!==n?-1:e===window?0:i(e,o,function(){return r++})}var r=1,o="nr@id",i=e("gos");n.exports=t},{gos:"7eSDFh"},id:[function(e,n){n.exports=e("XL7HBI")},{},{}],G9z0Bl:[function(e,n){func
```

```
tion t(){var
e=d.info=NREUM.info,n=f.getElementsByTagName("script")[0];if(e&&e.l
icenseKey&&e.applicationID&&n){c(p,function(n,t){n in e||(e[n]=t)});var t="https
"===s.split(":")[0]||e.sslForHttp;d.proto=t?"https://":"http://",a("mark",["onlo
ad",i()]);var r=f.createElement("script");r.src=d.proto+e.agent,n.parentNode.ins
ertBefore(r,n)}}function r(){ "complete"===f.readyState&&o()}function o(){a("mark
",["domContentLoaded",i()])}function i(){return(new Date).getTime()}var a=e("handle"),
c=e(1),u=window,f=u.document;e(2);var s=(""+location).split("?")[0],p={ beacon:"b
am.nr-data.net",errorBeacon:"bam.nr-data.net",agent:"js-agent.newrelic.com/nr-76
8.min.js"},d=n.exports={ offset:i(),origin:s,features:{ } };f.addEventListener?(f.a
ddEventListener("DOMContentLoaded",o,!1),u.addEventListener("load",t,!1));(f.att
achEvent("onreadystatechange",r),u.attachEvent("onload",t)),a("mark",["firstbyte
",i()]),{ 1:12,2:3,handle:"D5DuLP"}],loader:[function(e,n){n.exports=e("G9z0Bl"
)},{}],12:[function(e,n){function t(e,n){var t=[],o="",i=0;for(o in e)r.call(e,o)
&&(t[i]=n(o,e[o]),i+=1);return t}var r=Object.prototype.hasOwnProperty;n.exports
=t},{}],13:[function(e,n){function t(e,n,t){n||(n=0),"undefined"===typeof t&&(t=e
?e.length:0);for(var r=-1,o=t-n||0,i=Array(0>o?0:o);++r<o;)i[r]=e[n+r];return i}
n.exports=t},{}],{}],["G9z0Bl"]);</script><body>
```

Welcome, Catherine</p>Your message was: What the absolute frick,
man.</p>Thanks
for using this thing!</p>

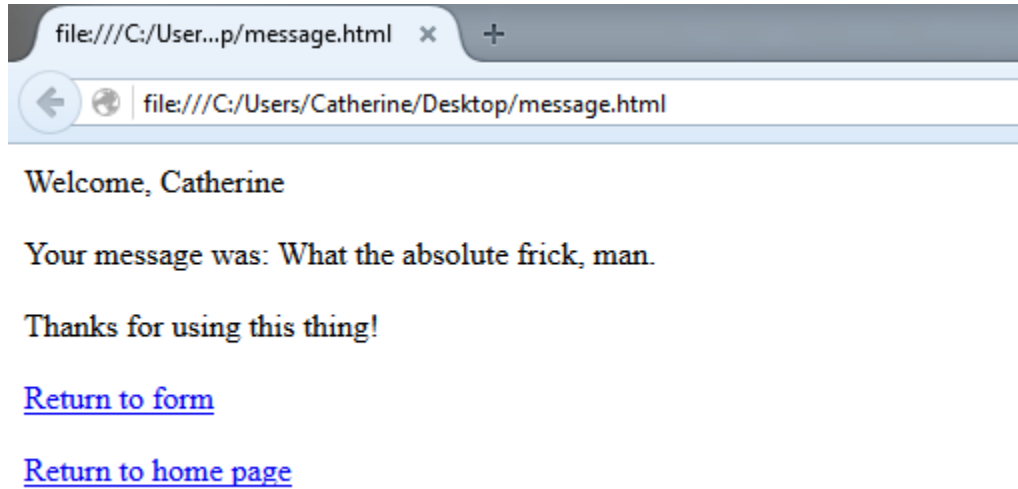
Return to form</p>

Return to home page

```
<script
type="text/javascript">window.NREUM||(NREUM={});NREUM.info={ "beacon":"b
a
m.nr-
data.net", "licenseKey":"e0f44c4154", "applicationID":"7711156", "transactionN
ame":"ZFRSYkADWEFVBhZeWF0eZURbTUVXWgE9RF5eQVxTVA1EXxoVCkc
=", "queueTime":0, "appli
cationTime":0, "atts":"SBNRFAGZS08=", "errorBeacon":"bam.nr-
data.net", "agent":"js-
agent.newrelic.com/nr-768.min.js" }</script></body>

</html>
```

Screenshot:



2. The code is located in a separate file uploaded titled "CS532_Assignment1" and was coded collaboratively between myself, Gabriel Marquez, and Matthew Payne. The libraries used were:

- Urllib2
- BeautifulSoup
- SSL
- Requests (<https://github.com/kennethreitz/requests>)

The results of the three test sites:

```
===== RESTART: C:\Python27\as1v23.py =====
Enter URL: http://www.cs.odu.edu/~mln/teaching/cs532-s16/test/pdfs.html
http://www.cs.odu.edu/~mln/pubs/ht-2015/hypertext-2015-temporal-violations.pdf
2184076 bytes
http://www.cs.odu.edu/~mln/pubs/tpdl-2015/tpdl-2015-annotations.pdf
622981 bytes
http://arxiv.org/pdf/1512.06195.pdf
1748961 bytes
http://www.cs.odu.edu/~mln/pubs/tpdl-2015/tpdl-2015-off-topic.pdf
4308768 bytes
http://www.cs.odu.edu/~mln/pubs/tpdl-2015/tpdl-2015-stories.pdf
1274604 bytes
http://www.cs.odu.edu/~mln/pubs/tpdl-2015/tpdl-2015-profiling.pdf
639001 bytes
http://www.cs.odu.edu/~mln/pubs/jcdl-2015/jcdl-2015-temporal-intention.pdf
720476 bytes
http://www.cs.odu.edu/~mln/pubs/jcdl-2015/jcdl-2015-mink.pdf
1254605 bytes
http://www.cs.odu.edu/~mln/pubs/jcdl-2015/jcdl-2015-arabic-sites.pdf
709420 bytes
http://www.cs.odu.edu/~mln/pubs/jcdl-2015/jcdl-2015-dictionary.pdf
2350603 bytes
>>>

===== RESTART: C:\Python27\as1v23.py =====

===== RESTART: C:\Python27\as1v25.py =====
Enter URL: http://webscience.zzstack.com/links.php
http://www.cs.odu.edu/~mln/pubs/jcdl-2015/jcdl-2015-dictionary.pdf
2350603 bytes
https://www.ets.org/s/gre/pdf/gre_math_review.pdf
804416 bytes
>>>

===== RESTART: C:\Python27\as1v23.py =====
Enter URL: http://www.cs.odu.edu/~maly/cs455_555/cs455Homepage.htm
```

(There are no PDFS at all for this website, so this is the correct output.)

3.

IN: M, I, O, P

SCC: A, B, C, G

OUT: D, H

Tendrils: I, J, K

Tubes: N

Disconnected: E, F