



Homework #3

Due 11:59pm, Sunday, 18 February, 2018

100 points total
Multiple submissions accepted.

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1. (51 pts) Complete the second socket lab: **Socket Programming Assignment 2: UDP**
Look in the Google Drive folder, under “[Socket Programming Assignments](#)” for the file
“[Socket2_UDPpinger](#).” It has instructions on what to turn in.

There is a new tutorial on Blackboard on the initial page written by our TA’s on how to
install the PyScript interpreter in Windows which requires installing Python and then
PyScript. However, everything is available for the Mac and for Linux.

Start by going to the installation page for all platforms: <https://www.python.org/downloads/>
and choose the 2.7.14 release. Then install JetBrains at

<https://www.jetbrains.com/pycharm/download/>. More information is available in the
document posted on the initial page in BlackBoard.

If you wish to install Windows on your Mac (and why not, it’s free), you’ll need two
things: a virtual machine program that will host the Windows OS, and then Windows. For
the former, there are three popular choices: VMware Fusion (\$100), Parallels (\$40-ish with
a student ID from educational sellers), and VirtualBox (<https://www.virtualbox.org>), free.

If you need the Windows software to install on top of the virtual machine (or for installing
on a Windows machine), you can take advantage of UH’s participation in [Microsoft's
Imagine program](#). Read more about that in “[Downloading Windows 10.pdf](#)” in the Extras
folder on our Google Drive.

Include your code with your homework as a file that the TA’s can download and run. You
will need to create a ZIP archive as BlackBoard will only allow you to upload a single file.

Alternatively, since unlimited submissions are allowed, you can upload your homework first, and then the Python code.

2. (7x7 pts) Choose your favorite browser. Pick a commercial site that you don't visit and don't care if you have to log in again. Clear the cookies for just that site from your cache. You may have to search the help pages!

In google, here's what I used: <https://support.google.com/chrome/answer/95647?hl=en-419>

In Firefox, I navigated to this site by entering it in the URL field:

about:preferences#privacy

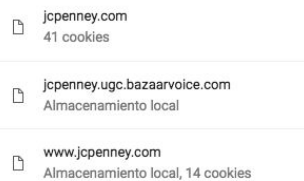
- a. So what's the site you're planning to visit? www.newegg.com

Find and clear any cookies that have the name of the site. Leave the cookie manager open.

I chose www.jcpenney.com. You should pick another site.

- b. Go to the site's home page. Consult the cookie manager. Were cookies created by opening their home page? yes How many? 4 Include a snapshot of what the cookie manager shows.

For example, here's what Chrome showed me:



> .newegg.com | #28

> apis.newegg.com | #1

> pf.newegg.com | #1

> www.newegg.com | #13

- c. Click on a product on the web page. Observe the URL in your browser after you have clicked on the product. Paste it here.

<https://www.jcpenney.com/p/arizona-long-sleeve-thermal-top/ppr5007324806?pTplType=regular&rrec=true&rplacementtype=norecs>

https://www.newegg.com/Product/Product.aspx?Item=N82E16824009969&utm_medium=Email&utm_source=IGNEFL022018C&cm_mmc=EMC-IGNEFL022018C_-EMC-022018-Latest-Index_-LCDLEDMonitors_-24009969-S0A&ignorebbr=1

Do you see a pattern of variables and values encoded in the URL? For example, separated by ampersand symbols (&'s)? **Yes, 022018 is repeated again across the url link!**

- d. Examine one of the cookies. If navigating did not produce a cookie, check your settings, try another browser, or another site. Choose a cookie that looks like it has something that identifies you – a session ID, or a guest ID, that sort of thing, instead of the type of system or your apparent country or language. Inspect the cookie, and paste a snapshot of the details your browser provides. .

Here was the one I chose:

TLTSID
X-GUEST-ACCOUNT-ID
Nombre
X-GUEST-ACCOUNT-ID
Contenido
XFM00A3Ps4V2EnjB9N8Z
Dominio
.jcpenny.com

Although most of the fields were readable and had a variable-value combination, the guest account ID looks encrypted or at the least very random: XFM00A3Ps4V2EnjB9N8Z.



What about yours?

- e. Add the item to your cart, and then clear the for the domain. Now refresh the page. Is the item still in the cart? _____
- f. Examine the cookies again. Look for the same cookie from (d). Was it replaced? Does it still have the same unique identifier as before? Mine was not:

Nombre
X-GUEST-ACCOUNT-ID


Contenido
8ciWGYKAuo1XQbCK4QtU


- g. Wait a few minutes and go to a site with google ads. Did you see your cart item? I happened to need to go to aboutus.com/Gvt3.com and look what ads I got! Lol. My browser might not remember what I put in my cart, but Google did!


 AboutUs Menu  Search

Gvt3.com

☆☆☆☆ Rating: 0 - 0 votes

Company Logo 


Company Name 

Company Contact 


Website Analysis

- [Home Page Analysis](#)
- [Web Presence](#)
- [Home Page Speed](#)


Domain Whois




[WHOIS information for Gvt3.com](#) 


Powered by who.is







Page Type 

This page is about a company.



 65% off	 70% off	 70% off
--	--	--




 \$9.60 sale	 \$14.99 sale	 \$9 sale
 \$9.60 sale	 \$12.60 sale	 \$23.70 sale

Title

gvt3.com

Additional Information

External Links

- [Alexa: Gvt3.com](#) 
- [WHOIS for Gvt3.com](#) 