# Project #2 ReadMe -> Ariel Taveras. Grad Version.

## Undergrad part:

* Filename = dnsproject.py.
* Log files tested = dnslog.txt(provided by TA), P.txt(generated by me), Mydns.txt(also generated by me).
* Output files and Results:
  + Output for dnslog.txt analysis =>
  + Output for P.txt analysis =>
  + Output for Mydns.txt analysis =>

Graduate Part:

NOTE: All of my modifications to the <dns2proxy.py > code can be found by searching for my name “Ariel Taveras”.

Task 1: See above.

Task 2: The <dns2proxy.py> file has been modified to block any address request that is currently in the <spoof.cfg> file. This works by redirecting all traffic from certain sites to a fake ip address. This was done according to the documentation on the dns2proxy GitHub under “feature 1”.

Task 2a: The <dns2proxy.py> file has been modified to not print out any duplicate requests or blocked addresses. The output/result for this can be seen in the dnslog.txt file that is generated by modified dns2proxy.py when it runs.

Task 3: The modified <dns2proxy.py> and <spoof.cfg> files now enable the dns2proxy program to block unnecessary ads and other requests that are not needed to view the site. Log files and reports for both blocking and non-blocking are included. A blacklist has been created for the following sites:

* Yahoo.com
* Cnn.com
* Nytimes.com
* Wsj.com
* Espn.com
* Cnet.com

Task 4: The <dns2proxy.py> file has been modified to print out both blocked and unblocked web requests with the resolved ip address on the right hand side. The unblocked sites will be printed normally with their regular ip address. The blocked sites however will appear with their spoofed ip addresses on the right hand side.