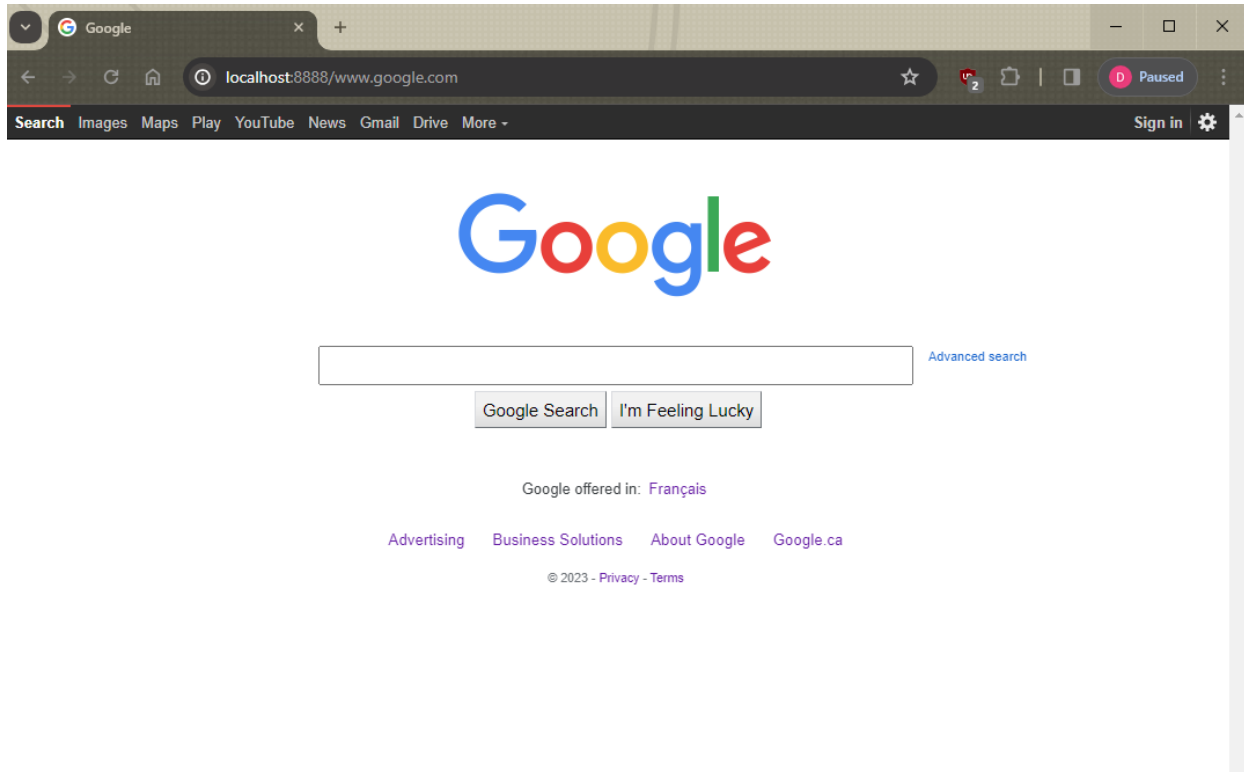


Lab 03 Report

Completed by: Dominic Choi
UCID: 30109955

Screenshots:



Retrieve from Internet Output:

```
PS D:\Schoolwork\2023-4 Fall\ENSF 462\ENSF-462-Labs> & E:\Python\python.exe "d:\Schoolwork\2023-4 Fall\ENSF 462\ENSF-462-Labs\Lab 03\ProxyServer.py"
Ready to serve...
Received a connection from: ('127.0.0.1', 63259)
Filename = www.google.com
domainName = www.google.com
file_path = ./Lab 03/cache/www.google.com/www.google.com

Ready to serve...
Received a connection from: ('127.0.0.1', 63260)
Filename = images/branding/googlelogo/1x/googlelogo.white.background.color.272x92dp.png
searchFile = images/branding/googlelogo/1x/googlelogo.white.background.color.272x92dp.png
file_path = ./Lab 03/cache/www.google.com/images/branding/googlelogo/1x/googlelogo.white.background.color.272x92dp.pngimages/branding/googlelogo/1x/googlelogo.white.background.color.272x92dp.png

Ready to serve...
Received a connection from: ('127.0.0.1', 63262)
Filename = client_204?atyp=i&biw=1026&bih=822&ei=RBZAZcuuKJg8PEPSkyo0Ac&opi=89978449
searchFile = client_204?atyp=i&biw=1026&bih=822&ei=RBZAZcuuKJg8PEPSkyo0Ac&opi=89978449
file_path = ./Lab 03/cache/www.google.com/client_204?atyp=i&biw=1026&bih=822&ei=RBZAZcuuKJg8PEPSkyo0Ac&opi=89978449
Illegal request: [Errno 22] Invalid argument: './Lab 03/cache/www.google.com/client_204?atyp=i&biw=1026&bih=822&ei=RBZAZcuuKJg8PEPSkyo0Ac&opi=89978449'

Ready to serve...
Received a connection from: ('127.0.0.1', 63268)
Filename = images/nav_logo229.png
searchFile = images/nav_logo229.png
file_path = ./Lab 03/cache/www.google.com/images/nav_logo229.pngimages/nav_logo229.png

Ready to serve...
Received a connection from: ('127.0.0.1', 63270)
Filename = xjs/_/js/k-xjs.hp.en.qq0373kzSm4.O/am-AAAAAAAAAAAAAAAAAGAAAAAAAAACBAAAAAAAAAAAAAAAAAIA8BEAAAsAcAE/d-1/ed-1/rs-CT98xHvLfktAqteARQA1S1hbrVjNEqvQ/m=sb_he,d,cEt98b,SMUn3,qddgke,sTsDMc,dTl0hd,eHdFl
searchFile = xjs/_/js/k-xjs.hp.en.qq0373kzSm4.O/am-AAAAAAAAAAAAAAAAAGAAAAAAAAACBAAAAAAAAAAAAAAAAAIA8BEAAAsAcAE/d-1/ed-1/rs-CT98xHvLfktAqteARQA1S1hbrVjNEqvQ/m=sb_he,d,cEt98b,SMUn3,qddgke,sTsDMc,dTl0hd,eHdFl
file_path = ./Lab 03/cache/www.google.com/xjs/_/js/k-xjs.hp.en.qq0373kzSm4.O/am-AAAAAAAAAAAAAAAAAGAAAAAAAAACBAAAAAAAAAAAAAAAAAIA8BEAAAsAcAE/d-1/ed-1/rs-CT98xHvLfktAqteARQA1S1hbrVjNEqvQ/m=sb_he,d,cEt98b,SMUn3,qddgke,sTsDMc,dTl0hd,eHdFlxjs/_/js/k-xjs.hp.en.qq0373kzSm4.O/am-AAAAAAAAAAAAAAAAAGAAAAAAAAACBAAAAAAAAAAAAAAAAAIA8BEAAAsAcAE/d-1/ed-1/rs-CT98xHvLfktAqteARQA1S1hbrVjNEqvQ/m=sb_he,d,cEt98b,SMUn3,qddgke,sTsDMc,dTl0hd,eHdFl

Ready to serve...
Received a connection from: ('127.0.0.1', 63277)
Filename = favicon.ico
searchFile = favicon.ico
file_path = ./Lab 03/cache/www.google.com/favicon.icofavicon.ico

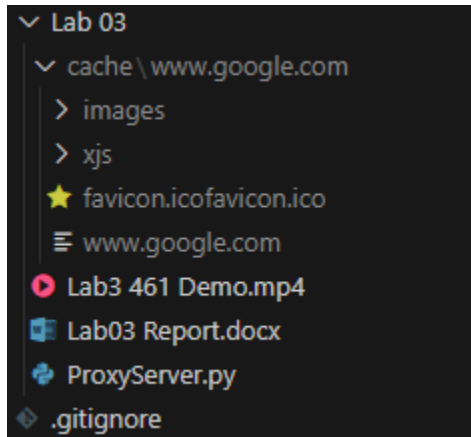
Ready to serve...
```

Retrieve from Cache Output:

```
Ready to serve...
Received a connection from: ('127.0.0.1', 63295)
Filename = www.google.com
domainName = www.google.com
file_path = ./Lab 03/cache/www.google.com/www.google.com
Hit in cache

Ready to serve...
```

Cache Screenshot:



Video Demo:

https://drive.google.com/file/d/15Z3mw50j8eijUw7Ec3rcHE2jqy_PB9yx/view?usp=sharing