

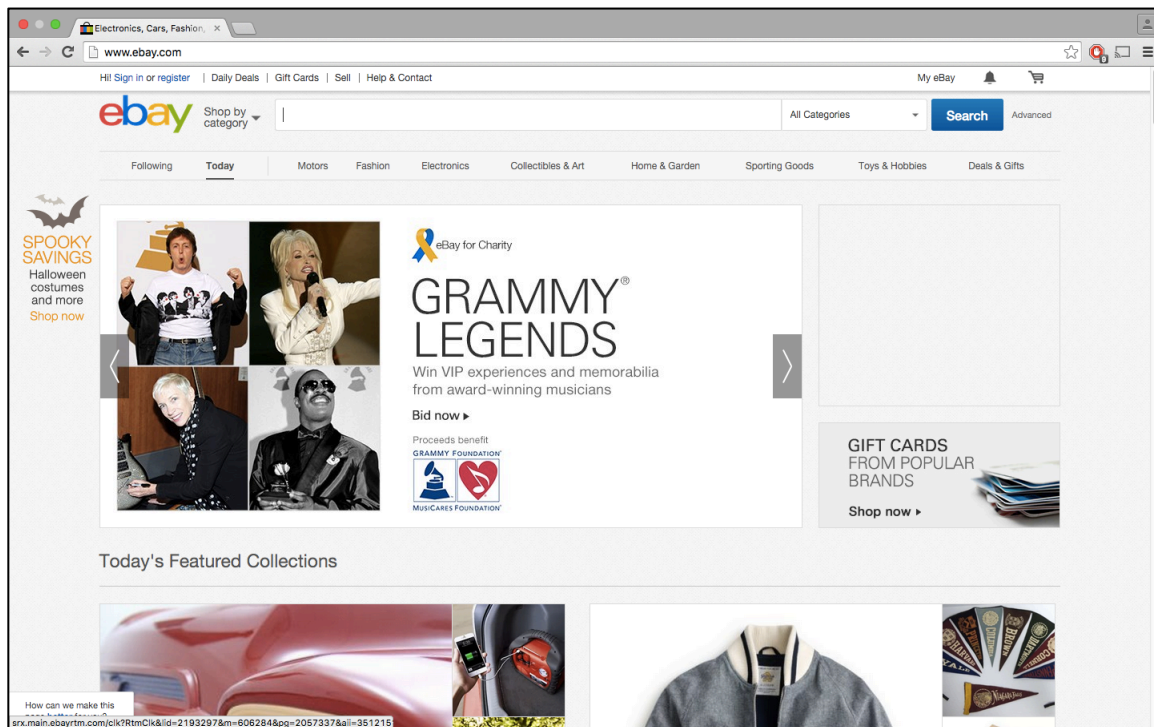
Programming Assignment #1

ITCS 6166 Computer Communications and Networks

- I have Executed 5 websites as shown below.
- I have shown screenshots of the client side showing that I got the webpage via the proxy server.
- I run proxy server code using command prompt.

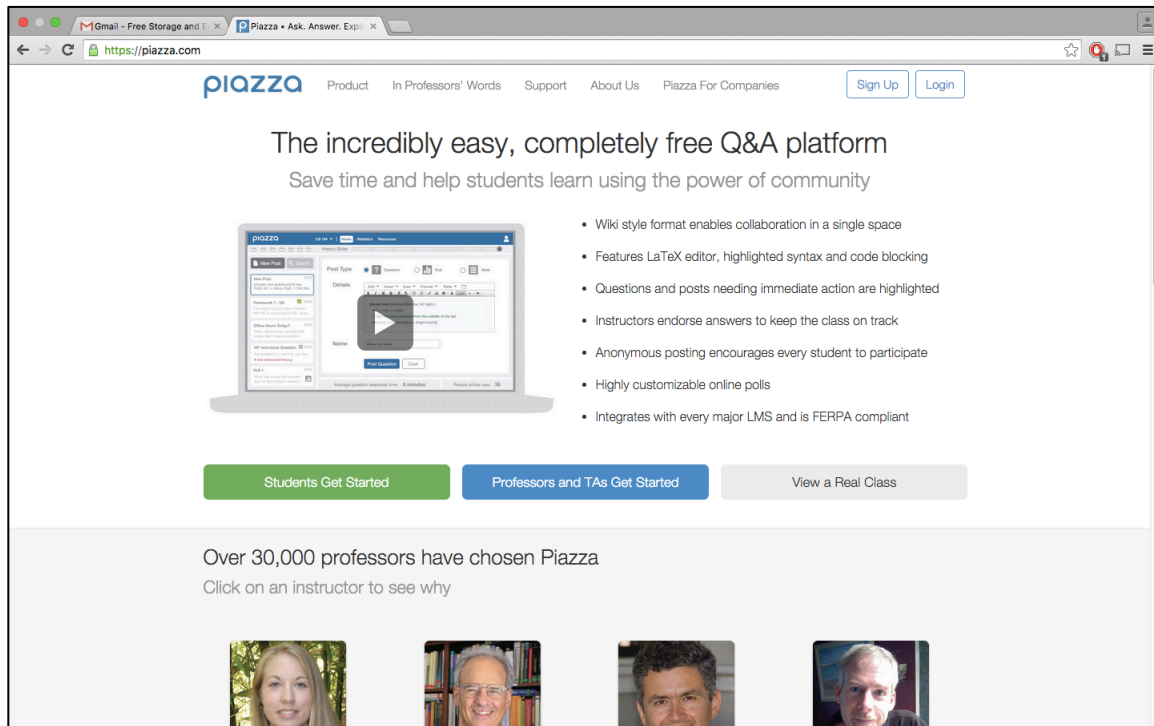
Website1:

<http://localhost:8888/www.ebay.com>



Command Prompt:

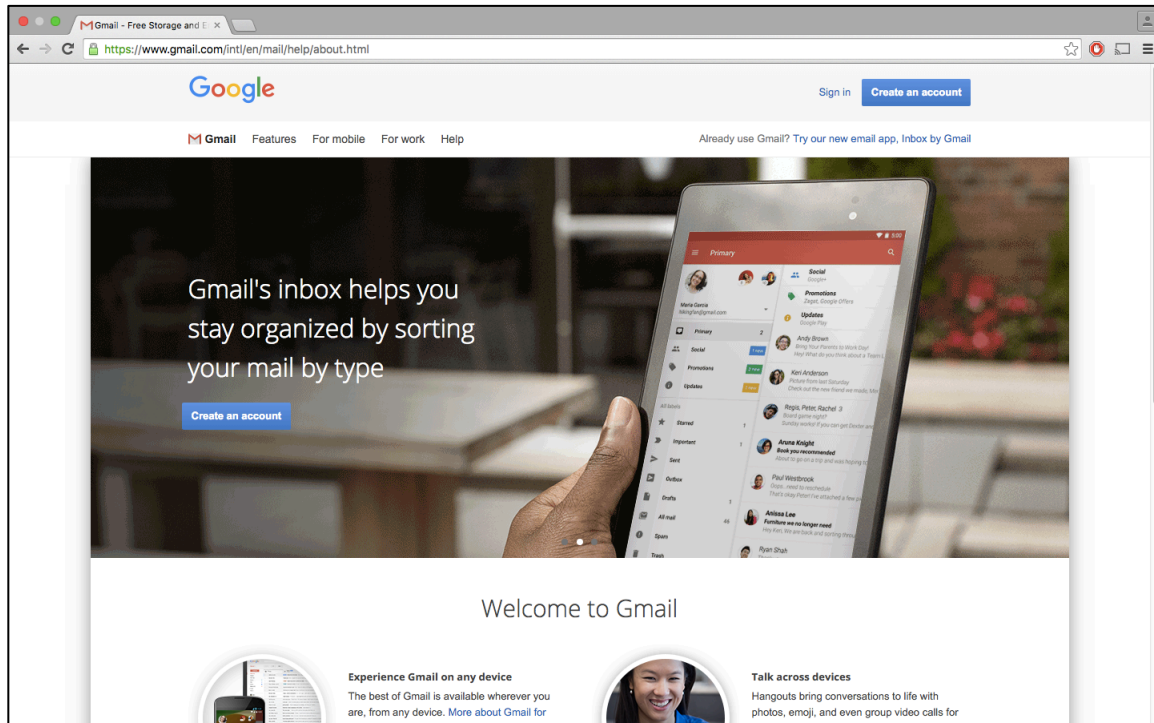
```
[samathas-Air:desktop samathakolagatla$ python ProxyServer.py localhost]
Ready to serve...
Received a connection from: ('127.0.0.1', 61926)
/ebay.com
File Exist: false
Creating socket on proxyserver
Host Name: ebay.com
Socket connected to port 80 of the host
Ready to serve...
Received a connection from: ('127.0.0.1', 61927)
Traceback (most recent call last):
```

Website 2:<http://localhost:8888/www.piazza.com>**Command Prompt**

```
Desktop — -bash — 80x24

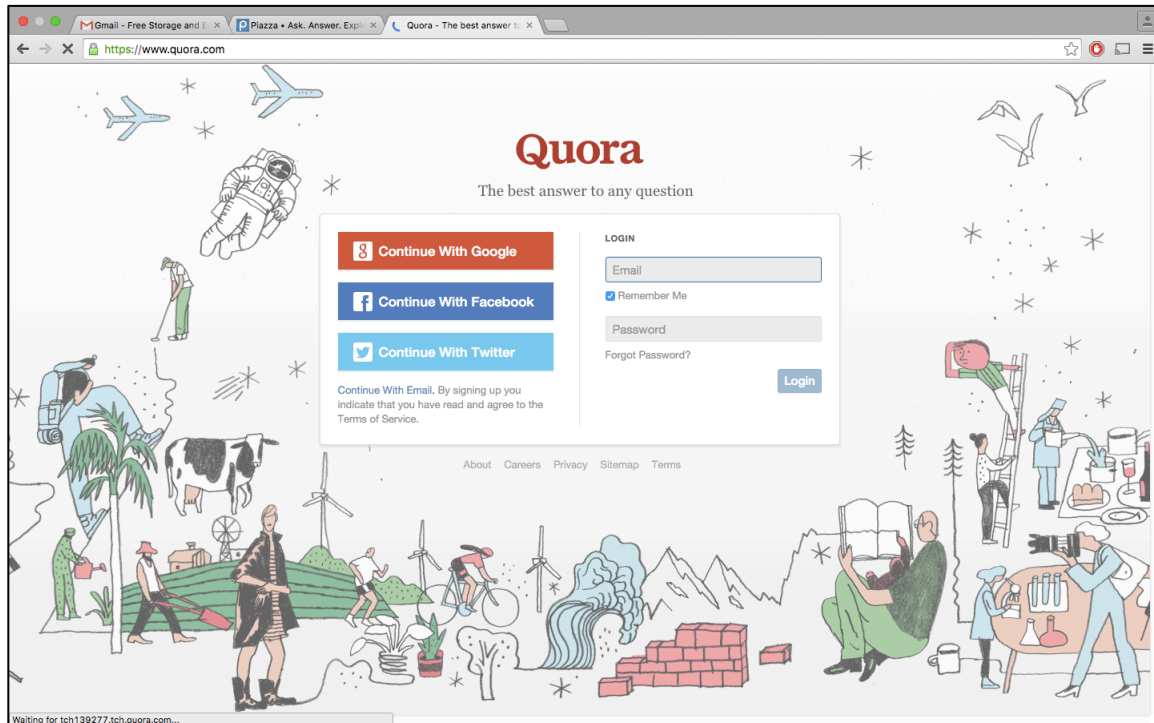
GET /piazza.com HTTP/1.1
Host: localhost:8888
Connection: keep-alive
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,*/*;q=0.8
Upgrade-Insecure-Requests: 1
User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10_11_0) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/45.0.2454.101 Safari/537.36
Accept-Encoding: gzip, deflate, sdch
Accept-Language: en-US,en;q=0.8

/piazza.com
piazza.com
Creating socket on proxyserver
Host Name: piazza.com
Ready to serve...
Received a connection from: ('127.0.0.1', 62291)
```

Website 3:<http://localhost:8888/www.gmail.com>**Command Prompt:**

```
Read from cache
Ready to serve...
Received a connection from: ('127.0.0.1', 62261)
GET /gmail.com HTTP/1.1
Host: localhost:8888
Connection: keep-alive
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,*/*;q=0.8
Upgrade-Insecure-Requests: 1
User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10_11_0) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/45.0.2454.101 Safari/537.36
Accept-Encoding: gzip, deflate, sdch
Accept-Language: en-US,en;q=0.8

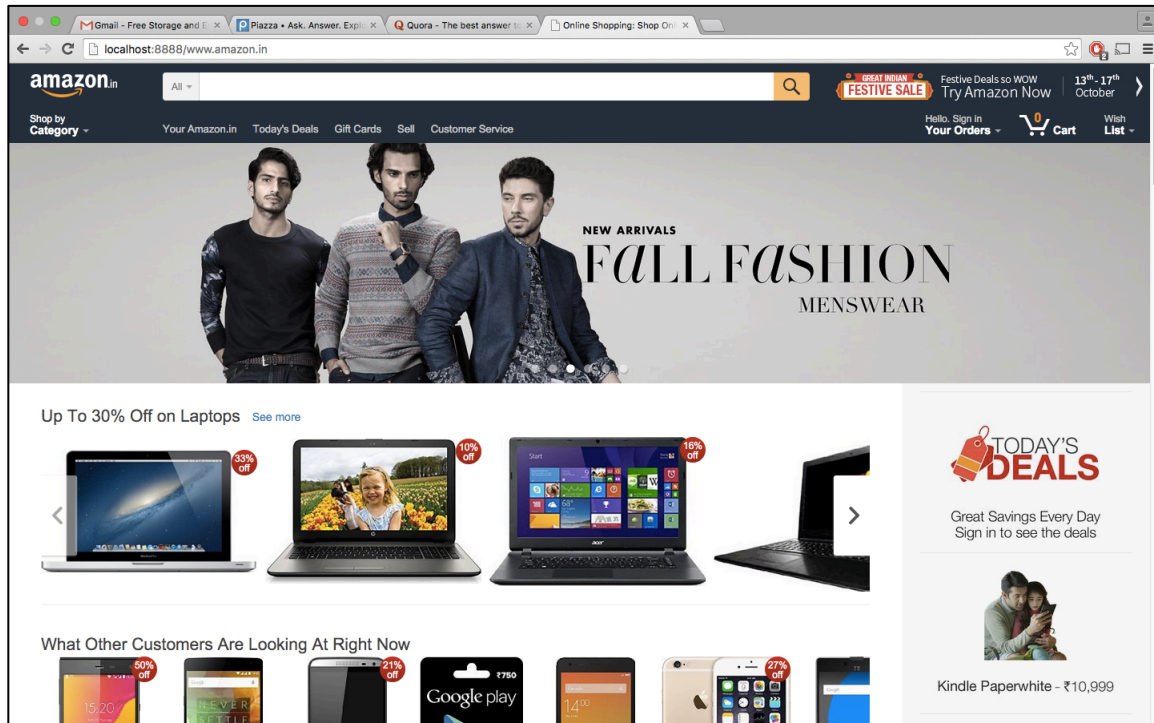
/gmail.com
Creating socket on proxyserver
Host Name: gmail.com
Ready to serve...
Received a connection from: ('127.0.0.1', 62262)
```

Website 4:<http://localhost:8888/www.quora.com>**Command Prompt:**

```
Google Drive  Screen Sho... 3:47:56 PM  Last opened Today 3:42 PM
Desktop — python ProxyServer.py localhost — 80x24

Host Name: /localhost:8888/quora.com
Illegal request
Ready to serve...
Received a connection from: ('127.0.0.1', 62503)
GET /quora.com HTTP/1.1
Host: localhost:8888
Connection: keep-alive
Cache-Control: max-age=0
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,*/*;q=0.8
Upgrade-Insecure-Requests: 1
User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10_11_0) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/45.0.2454.101 Safari/537.36
Accept-Encoding: gzip, deflate, sdch
Accept-Language: en-US,en;q=0.8

/quora.com
quora.com
Creating socket on proxyserver
Host Name: quora.com
Ready to serve...
Received a connection from: ('127.0.0.1', 62505)
```


Website 5:<http://localhost:8888/www.amazon.in>**Command Prompt:**

```
Desktop — python ProxyServer.py localhost — 80x24
Last login: Fri Oct 9 16:11:46 on ttys000
samathas-Air:~ samathakolagatla$ cd desktop
samathas-Air:desktop samathakolagatla$ python ProxyServer.py localhost
Ready to serve...
Received a connection from: ('127.0.0.1', 62637)
GET /www.amazon.in HTTP/1.1
Host: localhost:8888
Connection: keep-alive
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,*/*;q=0.8
Upgrade-Insecure-Requests: 1
User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10_11_0) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/45.0.2454.101 Safari/537.36
Accept-Encoding: gzip, deflate, sdch
Accept-Language: en-US,en;q=0.8

/www.amazon.in
www.amazon.in
Creating socket on proxyserver
Host Name: amazon.in
Ready to serve...
Received a connection from: ('127.0.0.1', 62639)
```