



Lab Report

CSE 336 Distributed Computing

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Lab No: (5) Experiment Title: Socket Programing

Environmet : Windows 10 .

Language : Python 3

Tested File : index.html

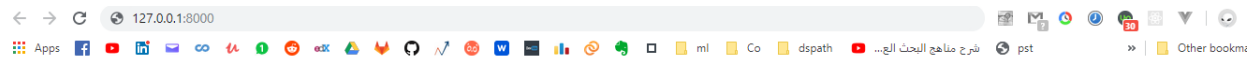
Main.py starting the server and run on port 8000

Httpserver.py is a module , to set up and start the web server with the given preferences from main.py

Requesthandler.py :

self-written module to handle the http requests received from the http_server.py, The module is written as a Class so that every incoming connection is an object with its own attributes , thus , avoiding the threat of shared data between threads.

```
C:\LAB 5>python main.py
Server is On ('0.0.0.0', 8000) Sat Apr 27 23:10:53 2019
connection recv From ('127.0.0.1', 61674)
('127.0.0.1', 61674) Handling HTTP Request ...
  Method : GET
  Path   : /
  Http   : HTTP/1.1
request handled , conn closed
connection recv From ('127.0.0.1', 61675)
connection recv From ('127.0.0.1', 61676)
('127.0.0.1', 61675) Handling HTTP Request ...
  Method : GET
  Path   : /favicon.ico
  Http   : HTTP/1.1
request handled , conn closed
Keyboard Interrupt ***** exit
```



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Request from Ubuntu Vmware



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```

request handled , conn closed
connection recv From ('192.168.17.138', 53982)
('192.168.17.138', 53982) Handling HTTP Request ...
Method : GET
Path   : /favicon.ico
Http   : HTTP/1.1
request handled , conn closed
connection recv From ('192.168.17.138', 53984)
('192.168.17.138', 53984) Handling HTTP Request ...
Method : GET
Path   : /favicon.ico
Http   : HTTP/1.1
request handled , conn closed

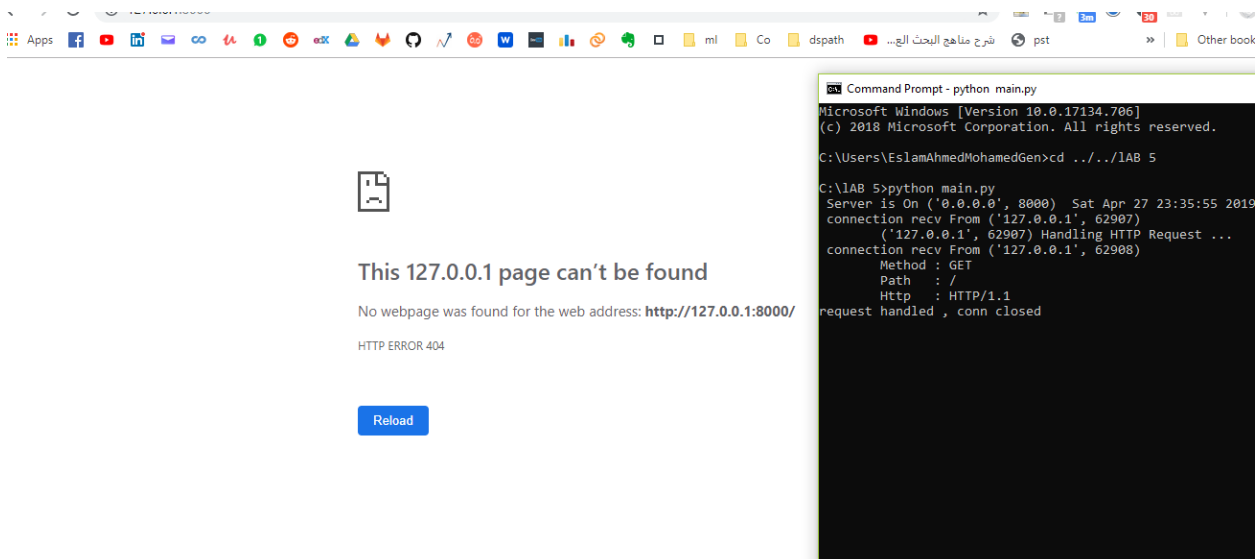
```

Request invalid

```

C:\LAB 5>python main.py
Server is On ('0.0.0.0', 8000) Sat Apr 27 23:35:55 2019
connection recv From ('127.0.0.1', 62907)
('127.0.0.1', 62907) Handling HTTP Request ...
connection recv From ('127.0.0.1', 62908)
Method : GET
Path   : /
Http   : HTTP/1.1
request handled , conn closed

```



The screenshot shows a web browser window with a 404 error message: "This 127.0.0.1 page can't be found". Below the message, it says "No webpage was found for the web address: http://127.0.0.1:8000/" and "HTTP ERROR 404". A "Reload" button is visible. In the background, a Windows Command Prompt window is open, showing the output of a Python script. The script output matches the text in the previous code block, showing the server is on and handling requests from 127.0.0.1.