

SCHOOL OF ELECTRICAL ENGINEERING & COMPUTER SCIENCE (SEECS)

EE353: Computer Networks, BESE-8B Spring 2019

**HTTP Multi Files Downloader**

**Project report**

***Group***

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Summary

# Server setup:

Server is setup using local host on apache; which is integrated in Zamp. The server is accessed through local-id 127.0.0.1 as a virtual host.

# Techniques used for download:

The requesting header for any website is sent using the HTTP protocol, the HTTP response in the the field **accept-ranges** is recorded. (which is either none or BYTE)

# Download Using Multiple Connections

if the server accepts byte ranges, multiple connections are invoked which are then merged at the completion at the end of download in one file. Extensive use of treading and OS libraries of python is used

Else only single connection is invoked if the server doesn’t support threading.

# Download Resuming:

(hamza)

# Test case

(snippits of lastest input)

(output)

# Conclusion

The developed project is fully supporting the implemented functionality. All the required constraints are implemented in the project. Domain knowledge of HTTP and sockets and its required integration with python is the best outcome of the project.