Assignment 3

o some side TCP networking o multilheaded sever

o Handle GET regnests only Ly check if request is valid (properly formatted titte)
Ly if not send back 400 bad request La if it is check if requested object available

L> if it is return it along w/ 200°K L> else send back yoy forma

-> if after some time to connected dient still has not sent any GET request. Send

balk 408 threant

onon-persistent little

La Office response sent dose TCP connection

L> Include "Lonnection: close" header in 11th response

Main Thread. listing on fixed port > create sever sourcet while (! Short down) { > listen for connection resomests to sever sourcet if remest recieved. > accept connection > spann new worker Worker Throad thread to process > Start timer to recieve Glient GET Client request while (! Time ont) } > wait for usent 62T if (GET recieved) { Stop timer > wait for threads to finish parse GET request (> close saviets + clican up error enconte ≥ extract requested object while parsing. relum 400 > Search for regnested object if (object fand) [return object + 200] else Erdim 4017 Client connection timed out return 408 Status Line GET request from: OK: HTTP/1.1 200 GET /Object Posts HTTP/1.1 fixed optional Bad Reguest 400 Not Found 404 >@ least "/". Request Timeant 408 * we assume either no header lines or that they're perfectly formatted only request line 15 scanned for Syntax errors

HHP Response: 200 OK. HTTP/1.1 Bad Regnest 400 Not Found. 404 Request Timeant 408 Date: < current date seen by server > Irin Server: < server's name > Irln [Last-Modified: < last datative requested object Content-Length: < size of object> Irin Content-Type: < object file-type> Irin Connection: Close Irin only if 200 15/10 ! <object dota>

"EEE. 20 MMM >>>> hh:mm:ss zzz"

* For Content-Type: Use Files. Probe Content Type()

* For Date: use Simple Date Format w/ pottern