

# Asgn2

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int socket  
int method  
char resource  
char version  
char hostname  
char hostvalue  
int content\_length  
char hex (for logging)

msg structure  
**ClientRequest**

int threadID  
p\_thread \* ptr

thread structure  
**threadprocess**

MAIN

CLI args ANY ORDER  
Threads default = 5  
Log file  
port

Create threadpool  
Create Worker threads

Listen for connfd  
to push()  
into queue

WHILE (1)

workerThread()  
waits for sem2

Job Received

signal thread  
to pop() connfd  
from queue

sem2 lock

sem1 // guards queue ops  
sem2 // signals threads job

push() sem2 wakes up threads

pop() sem2 puts threads to sleep

Queue (holds connfd's)

sem1 for atomic queue  
operations

sem2 to signals threads

