Lab 5 Part 1 Grading Form

Student name: Student Login:

Date and lab time: TA:_____

Description	Observations (TAS: Write notes for grading later)	Max	Current
Vanilla Server			
Run your server in iterative mode. **Server Test:** 1. Clean the cache in the browser. 2. Connect to your server using a browser connected to **http://data.cs.purdue.edu:port**. 3. Does the main page appear? 4. Does the simple test work? 5. Does the complex test work? 6. Reload three times. 7. Load in both chrome and firefox		4	
Basic HTTP Authentication			
1. Connect to **http://data.cs.purdue.edu:port** 2. Type wrong password and make sure access is denied. 3. Type Right password.		4	
Process mode			
In another window type **ps -u $USER** and see the number of zombie processes. Run the server using the **-f** option. Go through the **Server Test** steps as above. **telnet data <port>** and then with the browser try to connect to **http://data.cs.purdue.edu:port**. Does the server answer?		2	
Type **ps -u $USER** . Has the number of zombie processes increased?		2	
Thread per request			
Run the server using the **-t** option. Go through the **Server Test** steps as above.		2	

telnet data <port> and then with the browser try to connect to **http://data.cs.purdue.edu:port**. Does the server answer? type **ps -u $USER o nlwp,pid,cmd;** Does the process show more than one thread? (it should show the thread serving telnet).			
Pool of Threads			
Run the server using the **-p** option. Go through the **Server Test** steps as above. type **ps -u $USER o nlwp,pid,cmd;** Does the process show the threads in the pool? (it should show only 5 or 6 threads).		2	
Robustness			
● (2pt)Did the server crash? How many times (-1pt for every crash up to 2pts)? ● (1pt Mem Leak > 1KB) Are there resource leaks (memory, fds,...). Run valgrind --leak-check=full --track-fds=yes ./myhttpd -t 5644 (Crashing in valgrind yields 0 points) Run complex test and reload three times. Then type ctrl-c. Write the number of leaks. ● (1pt) Does the server serve documents above the **http-root-dir** directory? curl --user <USER>:<PASSWORD> --path-as-is http://data.cs.purdue.edu:port/../myhttpd.cc curl <USER>:<PASSWORD> --path-as-is http://data.cs.purdue.edu:port/../../myhttpd.cc (the server shouldn't serve documents above the **http-root-dir** directory)		4	
GIT			
Using the lab machine cd lab5-src; git shortlog -sn --author=$USER Write number of commits See commits and write comments in form.			
Total		20	
Extra Credits			