

Programming Assignment 1 - Socket Programming

Total - 100 pts

- 30 pts - Implementation.
 - 5pts. - Server compiles
 - 5pts. - Client compiles
 - 10pts. - Client program accepts user input.
 - 10pts. - Program calculates the sum of the client's number and server's number.
- 40 pts - Correctness.
 - 10pts. - Client program creates a socket that successfully reaches the server and prints info.
 - 5pts. - Server program correctly handles valid requests from clients and prints info.
 - 5pts. - Server program correctly handles out of range client values and prints info.
 - 10pts - Client program correctly handles server responses and prints info.
 - 10pts - At least 2 test cases.
- 20pts - A report that explains the following:
 - Description of the program
 - User guide with details on how to run and test your program.
 - Choice of programming language,
 - Program design and includes screenshots showing the output from the collaborative portion.
 - Include screenshots and test plan of the testing done.
 - Source code should be pasted in the report along with comments in the code.
- 10 pts
 - Server program handles all incoming requests concurrently.
 - README explains the concurrent server configuration and library used, if any.