**README FILE FOR PHASE 3 AND 4 OF PROJECT3**

**Files Changed:** term.c, process.c, submit.c, system.c, cpu.c

**Execution Process:** Please follow below steps to execute.

**1.Server Side:** cd into SIMOS\_Project3 folder and run following commands.

./simos.exe <port\_num>

Eg: ./simos.exe 46930

**2.Client Side:** Open a new window and compile and run client.cpp. (File present in MRM190005\_Project3)

a) g++ client.cpp -o client.exe

b) ./client.exe 127.0.0.1 46930 (This prompts for following commands)

**Enter the command: (s for program submission and T for termination)**

s <program name> (Eg: s prog1)

c) Wait for output.

You can open multiple client windows at the same time.

**3. Server Side:** Give the command y 50 for execution of submitted processes.

Eg: y 50

Once the Processes execution is finished, you can see their outputs in respective client’s

Window.

**Test Files Provided:** TEST\_AddMultiply, TEST\_OPIfgo, TEST\_Calculator

**Description for what Test Files Does:**

**TEST\_AddMultiply:**

1-> Adds Line 14(7) and Line 15(15) and Stores in Line 18(22) and Prints it.

2-> Multiply Line 16(5) and Line 17(9) and Stores in Line 19.

3-> Loads Result from 1(Line 18(22)) and multiplies with Line 19(45) and stores in Line 20(990).

**TEST\_OPIfgo:**

1-> Adds Line 18(6) and Line 19(8) and stores in Line 20 and print it(14).

2-> If Line 20 is greater than 0, multiply Line 20(14) with Line 22(25) else exit.

3-> Store Line 20(350) and print it.

**TEST\_Calculator:**

Implement Add, Subtract and Multiply.

Line 35 is the menu: 1.Add 2.Subtract 3.Multiply

Executes the operation on values present in Line 38 and Line 39.

Stores the output in Line 40 and prints it.