

[Return to "C++" in the classroom](#)[DISCUSS ON STUDENT HUB](#)

Process Monitor

REVIEW

CODE REVIEW

HISTORY

Meets Specifications

Greetings Student,
Congratulations! 🎉

You've successfully passed all the requirements by implementing all the required specifications meticulously. I must admit that the structure of this project implementation is impressive! You should be proud of the work done as you seemed to have a good hold on Object Oriented Programming. 🙌

It was my pleasure reviewing this wonderful project. Please continue with this same spirit of hard work in the projects ahead. 🙌

Extra Material

Below are some additional links to help deepen your understanding on the related concepts:

- <http://www.martinbroadhurst.com/list-the-files-in-a-directory-in-c.html>
- <https://thispointer.com/c-get-the-list-of-all-files-in-a-given-directory-and-its-sub-directories-using-boost-c17/>
- <https://www.geeksforgeeks.org/basic-concepts-of-object-oriented-programming-using-c/>
- https://ms.sapientia.ro/~manyi/teaching/c++/CPP_v1.1.pdf
- <https://www.roberthalf.com/blog/salaries-and-skills/4-advantages-of-object-oriented-programming>
- <https://www.geeksforgeeks.org/differences-between-procedural-and-object-oriented-programming/>

Basic Requirements

✓ **The program must build an executable system monitor.**

Nice work! All the required files were included in this submission. 👍

✓ **The program must build without generating compiler warnings.**

This program run without generating compiler warnings. Perfectly done!

✓ **The system monitor must run continuously without error, until the user terminates the program.**

Well done! The system monitor runs continuously without error, until the user terminates the program.

✓ **The project should be organized into appropriate classes.**

Well done with the project structure.

System Requirements

✓ **The system monitor program should list at least the operating system, kernel version, total number of processes, number of running processes, and up time.**

The system monitor program lists at least the operating system, kernel version, total number of processes, number of running processes, and up time perfectly.

✓ **The System class should be composed of at least one other class.**

Processor Requirements



The system monitor should display the CPU utilization.

Nice work, the system monitor display the CPU utilization.

Process Requirements



The system monitor should display a partial list of processes running on the system.

Good work the system monitor. The system monitor display a partial list of processes running on the system.



The system monitor should display the PID, user, CPU utilization, memory utilization, up time, and command for each process.

Excellent work! The system monitor display the PID, user, CPU utilization, memory utilization, up time, and command for each process.

File Edit View Search Terminal Help

```
OS: Ubuntu 18.04.4 LTS
Kernel: 4.15.0-101-generic
CPU: 0%||||||| 22.2/100%
Memory: 0%||||||| 94.6/100%
Total Processes: 72671
Running Processes: 40
Up Time: 04:30:21
```

PID	USER	CPU[%]	RAM[MB]	TIME+	COMMAND
4218	adipste	3204	637	04:29:54	/usr/bin/gnome-shell
382	root	6850	0	04:30:19	
4072	adipste	4046	214	04:29:55	/usr/lib/xorg/Xorg
6304	adipste	2871	1576	04:28:32	/home/adipster/Android/Sdk/emula
4050	adipste	2076	1	04:29:56	/lib/systemd/systemd
5062	adipste	1163	520	04:29:13	/usr/lib/slack/slack
324	root	1150	1	04:30:19	/lib/systemd/systemd-udevd
4844	adipste	966.	1195	04:29:19	/home/adipster/Desktop/Logiciel/