# [SYS-140-04: Systems Fundamentals - Fall 2020 (2020FA)](https://champlain.instructure.com/courses/1413978)

# Lab #5: PC Purchase

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10/10/2020

I’m building a laptop, this laptop is for games and daily processes like homework, or for work.The game that will be played on the laptop is heavy games.

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| Computer Component | Quantity | Price | Rationale for Component | citations |
| Processor | 1 | $278.95 | It makes the games go fast without glitching. And it helps to process everything you open in your system. | <https://www.amazon.com/Intel-Unlocked-Skylake-Processor-BX80662I76700K/dp/B012M8LXQW/ref=sr_1_7?dchild=1&keywords=i7+cpu&qid=1602632162&sr=8-7> |
| RAM/Main Memory | 2 | $141.98 | It helps the games to access your data in it more quickly than the hard drive. | <https://www.amazon.com/Kingston-Technology-HyperX-HX316LS9IBK2-16/dp/B00KQCOV5C/ref=as_li_ss_tl?keywords=Kingston+HyperX+Impact+16GB+(2X8GB)+RAM&qid=1554773536&s=electronics&sr=1-1&linkCode=sl1&tag=byogpctube-20&linkId=054ed74b59cba63c7e70272b5eaecc0a&language=en_US> |
| Secondary Storage | 1 | $104.99 | It helps the gamers to store data and also it makes the system faster. | <https://www.amazon.com/SanDisk-Ultra-NAND-SATA-SDSSDH3-1T00-G25/dp/B071KGRXRG/ref=as_li_ss_tl?keywords=SanDisk+1TB+SSD&qid=1554773662&s=electronics&sr=1-5&linkCode=sl1&tag=byogpctube-20&linkId=a4fcb0a1b035b593a22d4661a117d263&language=en_US> |
| Motherboard | 1 | $399.00 | The motherboard helps to connect all pieces together. And it regulates the power that received by the hard drive, GPU, and CPU | <https://www.amazon.com/MSI-MEG-Z490-ACE-Motherboard/dp/B0876H5X58/ref=sr_1_2?dchild=1&keywords=CLEVO+P640RE+%2F+SAGER+NP8640+motherboard&qid=1602631306&s=electronics&sr=1-2> |
| Total | 5 | $924.92 |  |  |