NAME:\_\_Anhadjot\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**PC BUILD SHEET ACTIVITY**

**Instructions:**

* Complete **the following scenarios**.
* Using **Canadian retailers**, you will shop for the individual components needed to build a PC and fulfill the budget and feature requirements as described in the scenario backgrounds.
  + Do not use pre-built computers.
* Record the retail price information in the provided tables.
  + Use Canadian dollars only.
  + **Don’t forget to add HST (13%)**.
* Do not go over budget.
* Use **new components only**.
  + **No used or refurbished components**.
* Record device specifications in the provided tables.
* Record a few thoughts about your builds on the provided pages.
  + It doesn’t have to be an essay, just a few sentences or a paragraph. You need to demonstrate that you put some thought into your selections.
* Use this [completed example](https://docs.google.com/document/d/1zWTiQfed4HnZS3z3g1jdxkYb5KbaGb2ol6f2KDWh9YQ/edit?usp=sharing) as a guide for the level of detail required.

**A Helpful tip for this assignment:**There are many websites with PC “Configurators” out there.

See what you can find!

(Here is a Canadian one you can try: [LINK](https://www.newegg.ca/tools/custom-pc-builder))

**Scenario #1  
*The Dorm Room PC***

**Background:**

**You are starting your second year in university. You managed to get through last year on your old laptop but found it hard to get comfortable in your cramped dorm room with it. There just isn't enough space on the tiny desk to comfortably type and look at the laptop screen for hours without your neck hurting.**

**You’ve been convinced by your roommates that a desktop is the way to go. The dorm room desk has a built-in alcove for PC towers that includes a high speed university intranet RJ-45 hookup. That’s something very few laptops can take advantage of.**

**Your course schedule is a nightmare so you know you won’t have time to play games on this thing. You’re operating with a pretty tight budget. A monitor with good elevation adjustment would go a long way to making life more comfortable.**

**BUDGET: $1000 including taxes.**

**Scenario #1 TECHNICAL SPECIFICATIONS:**

**Record the tech specs of the laptop you have decided to purchase here.**

|  |  |  |  |
| --- | --- | --- | --- |
| **PART** | **PART DESCRIPTION & VENDOR HYPERLINK** | **Qty** | **PRICE (Before Tax)** |
| **CPU** | |  | | --- | | [**Intel Core i3-10100 3.6 GHz Quad-Core Processor**](https://www.shoprbc.com/ca/shop/product_details.php?pid=55415638) | | 1 | $139.50 |
| **Motherboard** | [ASRock B560M Pro4 Micro ATX LGA1200 Motherboard](https://www.vuugo.com/asrock-motherboards-B560M-PRO4.html?tracking=5108053939762) | 1 | $67.83 |
| **Memory (RAM)** | [Silicon Power 16 GB (2 x 8 GB) DDR4-3200 CL16 Memory](https://ca.pcpartpicker.com/mr/neweggca/x2tKHx) | 1 | $96.98 |
| **Storage** | [Western Digital Green 960 GB M.2-2280 NVME Solid State Drive](https://ca.pcpartpicker.com/mr/memoryexpress/ngwypg) | 1 | $84.99 |
| **Graphics Card** | Integrated Graphics: Intel UHD Graphics 630 |  |  |
| **CPU**  **Cooling** | Comes with CPU |  |  |
| **Power Supply** | [EVGA BR 600 W 80+ Bronze Certified ATX Power Supply](https://ca.pcpartpicker.com/mr/vuugo/r2TPxr) | 1 | $63.75 |
| **Case** | [Azza Luminous MicroATX Mini Tower Case](https://ca.pcpartpicker.com/mr/vuugo/8JFKHx) | 1 | $54.45 |
| **Case**  **Cooling** | |  | | --- | | Azza Luminous MicroATX Mini Tower Case | |  |  |
| **Operating System** | [Microsoft Windows 10 Home OEM 64-bit](https://ca.pcpartpicker.com/mr/vuugo/wtgPxr) | 1 | $109.50 |
| **Monitor** | [**LG 24BK400H-B 24.0" 1920x1080 75 Hz Monitor**](https://ca.pcpartpicker.com/mr/thesourceca/d4zkcf) | 1 | $149.99 |
| **Keyboard & Mouse** | [Corsair K55 RGB Wired Gaming Keyboard](https://ca.pcpartpicker.com/mr/canadacomputers/q7648d)  [Corsair HARPOON RGB PRO Wired Optical Mouse](https://ca.pcpartpicker.com/mr/thesourceca/KLVD4D) | 1  1 | $39.99  $29.99 |
| **Audio Output** | [Logitech S120 2.3 W 2.0 Channel Speakers](https://ca.pcpartpicker.com/mr/dellca/X2vRsY) | 1 | $19.99 |
| **Additional Features** |  |  |  |
| (Add the total of all your parts before tax) **SubTotal:** | | $856.96 | |
| (Your Sub-Total multiplied by 0.13) **HST:** | | $111.4048 | |
| (Add together the Subtotal and HST) **TOTAL BUILD COST:** | | $968.3648 | |

**Scenario #1 Explanation:**

**Record below the reasoning behind your build sheet selections.**

* **Is there anything you are particularly happy or unhappy with?**
* **Is this a system you would want for yourself?**
* **Did you get a good deal for any particular components?**
* **Are there any parts you weren’t sure about or wondered if there might be a better alternative?**

**Your thoughts:**

**I was reasonably unhappy with the budget because it tightly impacted my opportunities to build a better quality system. For example, I wanted to fit in an Intel Core i7 – 11700K because of the overall speed (3.6 GHz) but I wasn’t able to add it because of the tight budget and compatibility issues with lower budget motherboards. Personally, I would only want this system under circumstances such as this because I can see this system only being used as a minimum requirement to complete work. Furthermore, there are many other options when it comes to PC building and there is large variety of opportunities to build a higher end rig. For my RGB Mouse, I got a reduced price from $49,99 to $29.99 and this allowed me to fit in this mouse within the budget (before and after taxes). The only part that I wondered most about was the CPU because I picked the bare minimum CPU that is able to run programs without problems; I think I could have fitted a better CPU for the price (but I highly doubt it, due to budget.)**

**Scenario #2  
*The Lab Workstation***

**Background:**

**You are working in a biochemistry lab. The company you work for recently gained access to cutting edge biochem simulation software. The software includes a proprietary Linux based operating system. On paper this program looks fantastic and could open new research avenues for the lab.**

**The problem is, it’s just software. You know it’s designed to run on a system with two things; Lots of memory, CPU cores and stream processors.**

**The good news is, the company has freed up a lot of funds for this project. You know you're going to have to be careful about what you install in this thing. Reliability, data redundancy and memory with error correcting code are needed. You will also need no less than 8TB of mirrored storage. That means you need 16TB total storage in** [**RAID-1**](https://en.wikipedia.org/wiki/Standard_RAID_levels) **configuration.**

**BUDGET: $34,000 including taxes.**

**Scenario #2 TECHNICAL SPECIFICATIONS:**

**Record the tech specs of the laptop you have decided to purchase here.**

|  |  |  |  |
| --- | --- | --- | --- |
| **PART** | **PART DESCRIPTION & VENDOR HYPERLINK** | **Qty** | **PRICE (Before Tax)** |
| **CPU** | [AMD Threadripper 3990X 2.9 GHz 64-Core Processor](https://ca.pcpartpicker.com/mr/shoprbc/KWmFf7) | 1 | $5563.00 |
| **Motherboard** | [Gigabyte TRX40 AORUS XTREME XL ATX sTRX4 Motherboard](https://ca.pcpartpicker.com/mr/vuugo/Wkwkcf) | 1 | $1157.20 |
| **Memory (RAM)** | [**Corsair Vengeance RGB Pro SL 64 GB (2 x 32 GB) DDR4-4000 CL18 Memory**](https://ca.pcpartpicker.com/mr/pccanada/VZrRsY) | 4 | $658.99  (of one) |
| **Storage** | [Seagate EXOS Enterprise 16 TB 3.5" 7200RPM Internal Hard Drive](https://ca.pcpartpicker.com/mr/memoryexpress/TYcRsY) | 4 | $519.99  (of one) |
| **Graphics Card** | [PNY Quadro RTX 6000 24 GB Video Card](https://www.canadacomputers.com/product_info.php?cPath=38_516&item_id=130989) | 2 | $5449.00  (of one) |
| **CPU**  **Cooling** | [Corsair iCUE H150i ELITE CAPELLIX 75 CFM Liquid CPU Cooler](https://www.canadacomputers.com/product_info.php?cPath=8_135&item_id=174712) | 1 | $219.99 |
| **Power Supply** | [Corsair AXi 1600 W 80+ Titanium Certified Fully Modular ATX Power Supply](https://ca.pcpartpicker.com/mr/canadacomputers/cJbwrH) | 1 | $599.99 |
| **Case** | [be quiet! Dark Base Pro 900 Rev. 2 ATX Full Tower Case](https://ca.pcpartpicker.com/mr/canadacomputers/nVZFf7) | 1 | $324.99 |
| **Case**  **Cooling** | Corsair iCUE H150i ELITE CAPELLIX 75 CFM Liquid CPU Cooler | 1 |  |
| **Operating System** | **NOT REQUIRED** |  |  |
| **Monitor** |  |  |
| **Keyboard & Mouse** |  |  |
| **Audio Output** |  |  |
| **Additional Features** |  |  |  |
| (Add the total of all your parts before tax) **SubTotal:** | | |  | | --- | | $23,479.09 | | |
| (Your Sub-Total multiplied by 0.13) **HST:** | | $3,052.27 | |
| (Add together the Subtotal and HST) **TOTAL BUILD COST:** | | $26,531.36 | |

**Scenario #2 Explanation:**

**Record below the reasoning behind your build sheet selections.**

* **Is there anything you are particularly happy or unhappy with?**
* **Is this a system you would want for yourself?**
* **Did you get a good deal for any particular components?**
* **Are there any parts you weren’t sure about or wondered if there might be a better alternative?**

**Your thoughts:**

**I was extremely happy while creating this monster of a workstation because of the budget. Compared to the first scenario, I had a very big budget to work with and this allowed me to experiment with the finest and most powerful parts on the market. Needless to say, I had an absolute blast creating the ideal system. I would personally want a system like this, however, in a more realistic setting I wouldn’t buy this because of the overall price of all the part and the wait time needed to acquire everything. I think the CPU cooler was a steal because it’s only $219.99, while the AMD Threadripper 3990x is over 5k. This to me was incredible because it can cool something as high end as the Threadripper. In my opinion, all the part’s I picked were straightforward and I didn’t have to look back to analyze each part.**

**Scenario #3  
*The Gaming Upgrade***

**Background:**

**Your old gaming rig needs an update. You can reuse a lot of your current parts to save money. You already have an awesome 1440p monitor and there’s no way you are parting with your Republic Of Gaming mouse and keyboard. Your ATX case, 750 watt PSU and fans are only four years old and are still compatible with any new components.**

**Your old motherboard doesn’t have any M.2 slots but the 3 SATA SSDs are still good. You’d love to make the jump to an NVMe drive if there is money left over for it. It’s going to be tough keeping to your budget and still get a good 1440p system.**

**BUDGET: $1,500 including taxes.**

**Scenario #3 TECHNICAL SPECIFICATIONS:**

**Record the tech specs of the laptop you have decided to purchase here.**

|  |  |  |  |
| --- | --- | --- | --- |
| **PART** | **PART DESCRIPTION & VENDOR HYPERLINK** | **Qty** | **PRICE (Before Tax)** |
| **CPU** | [**AMD Ryzen 5 5600X 3.7 GHz 6-Core Processor**](https://ca.pcpartpicker.com/mr/shoprbc/g94BD3) | 1 | $264.50 |
| **Motherboard** | |  | | --- | | [**Gigabyte B450 AORUS ELITE V2 ATX AM4 Motherboard**](https://ca.pcpartpicker.com/mr/canadacomputers/yyGnTW) | | 1 | $109.99 |
| **Memory (RAM)** | |  | | --- | | [**Corsair Vengeance LPX 16 GB (2 x 8 GB) DDR4-3200 CL16 Memory**](https://ca.pcpartpicker.com/mr/corsairca/p6RFf7) | | 1 | $79.99 |
| **Storage** | [**Western Digital Blue 500 GB 2.5" Solid State Drive**](https://ca.pcpartpicker.com/mr/canadacomputers/LRkj4D)  [**Western Digital Blue SN550 500 GB M.2-2280 NVME Solid State Drive**](https://ca.pcpartpicker.com/mr/shoprbc/zFK2FT) | 3  1 | $69.99  (of one)  $74.00 |
| **Graphics Card** | |  | | --- | | [**XFX Radeon RX 6600 8 GB Speedster SWFT 210 Video Card**](https://ca.pcpartpicker.com/mr/memoryexpress/wdvdnQ) | | 1 | $409.99 |
| **CPU**  **Cooling** | [**Cooler Master MasterLiquid ML360R RGB 66.7 CFM Liquid CPU Cooler**](https://ca.pcpartpicker.com/mr/canadacomputers/WwjJ7P) | 1 | $159.99 |
| **Power**  **Supply** | **NOT REQUIRED** |  |  |
| **Case** |  |  |
| **Case**  **Cooling** |  |  |
| **Operating System** |  |  |
| **Monitor** |  |  |
| **Keyboard & Mouse** |  |  |
| **Audio Output** |  |  |
| **Additional Features** |  |  |  |
| (Add the total of all your parts before tax) **SubTotal:** | | $1,308.43 | |
| (Your Sub-Total multiplied by 0.13) **HST:** | | $170.0959 | |
| (Add together the Subtotal and HST) **TOTAL BUILD COST:** | | $1,478.5259 | |

**Scenario #3 Explanation:**

**Record below the reasoning behind your build sheet selections.**

* **Is there anything you are particularly happy or unhappy with?**
* **Is this a system you would want for yourself?**
* **Did you get a good deal for any particular components?**
* **Are there any parts you weren’t sure about or wondered if there might be a better alternative?**

**Your thoughts:**

**In this scenario, there was nothing that really made me happy or unhappy because the budget was reasonable for the scenario and many of the parts of the previous computer were reusable. I would want this system because it is powerful enough for me to enjoy gaming, whilst also using the rig for gaming. I think I got a good deal on the storage because I was able to get multiple 500 GB drives for less than $250. Furthermore, I also think I got a good deal on the RAM because I got 2 x 8GB drives for $79.99 and this allowed me to get plenty of memory. My only concern with the parts were having proper compatibility, and maximization because I had to stick to a proper budget, whilst trying to max out the processes. Overall, I would purchase this system for myself.**

**Scenario #4  
*The Mini-ITX MONSTER***

**Background:**

**You work at a computer store and a customer wanders in and falls in love with the** [**AZZA CUBE MINI 805**](https://azza.gg/azza/products/unlimited/cube%20mini) **case. The customer wants this crazy little case to be packed with the most powerful components possible. They also indicated that they are distrustful of water cooling and want a** [**Noctua**](https://noctua.at/en/products/cpu-cooler-retail) **Chromax CPU cooler to be installed.**

**Be careful! This case is tiny. A lot of coolers and graphics cards won’t fit inside!**

**BUDGET: UNLIMITED**

**Scenario #4 TECHNICAL SPECIFICATIONS:**

**Record the tech specs of the laptop you have decided to purchase here.**

|  |  |  |  |
| --- | --- | --- | --- |
| **PART** | **PART DESCRIPTION & VENDOR HYPERLINK** | **Qty** | **PRICE (Before Tax)** |
| **CPU** | [Intel Core i9-12900KS 3.4 GHz 16-Core Processor](https://ca.pcpartpicker.com/mr/shoprbc/sn4Ycf) | 1 | $845.95 |
| **Motherboard** | [Asus ROG STRIX Z690-I GAMING WIFI Mini ITX LGA1700 Motherboard](https://ca.pcpartpicker.com/mr/canadacomputers/yzWzK8) | 1 | $519.00 |
| **Memory (RAM)** | [G.Skill Trident Z5 RGB 64 GB (2 x 32 GB) DDR5-6000 CL30 Memory](https://ca.pcpartpicker.com/mr/neweggca/x77G3C) | 1 | $1019.98 |
| **Storage** | [**Corsair MP600 PRO LPX 4 TB M.2-2280 NVME Solid State Drive**](https://ca.pcpartpicker.com/mr/canadacomputers/q6ddnQ)  [TEAMGROUP QX 15.3 TB 2.5" Solid State Drive](https://ca.pcpartpicker.com/mr/neweggca/HrD7YJ) | 4  2 | $999.00 (of one)  $4114.98 (of one) |
| **Graphics Card** | [PowerColor Radeon RX 6600 XT 8 GB Fighter Video Card](https://ca.pcpartpicker.com/mr/canadacomputers/nyH7YJ) | 1 | $399.00 |
| **CPU**  **Cooling** | (Customer has requested [Noctua](https://noctua.at/en/products/cpu-cooler-retail))  [Noctua NH-U9S chromax.black 46.4 CFM CPU Cooler](https://ca.pcpartpicker.com/mr/amazonca/9pfFf7) | 1 | $156.35 |
| **Power Supply** | [Corsair AX 1000 W 80+ Titanium Certified Fully Modular ATX Power Supply](https://ca.pcpartpicker.com/mr/vuugo/nhHRsY) | 1 | $338.57 |
| **Case** | AZZA CUBE MINI 805 ([Manufacturers Website](https://azza.gg/azza/products/unlimited/cube%20mini)) [Canadian Retailer Website](https://www.canadacomputers.com/product_info.php?cPath=6_1937&item_id=170966) | 1 | $354.99 |
| **Case**  **Cooling** | 140MM and 80mm fans included with the case. |  |  |
| **Operating System** | [Microsoft Windows 10 Pro OEM 64-bit](https://ca.pcpartpicker.com/mr/vuugo/MfH48d) | 1 | $169.05 |
| **Monitor** | [Samsung Odyssey G9 Neo S49AG952N 49.0" 5120x1440 240 Hz Monitor](https://ca.pcpartpicker.com/mr/canadacomputers/cNxRsY) | 2 | $2149.99  (of one) |
| **Keyboard & Mouse** | [Corsair K95 RGB PLATINUM Wired Gaming Keyboard](https://ca.pcpartpicker.com/mr/corsairca/MYtWGX) [Logitech G502 LIGHTSPEED Wireless Optical Mouse](https://ca.pcpartpicker.com/mr/bestbuyca/t9x2FT) | 1  1 | $229.99  $149.18 |
| **Audio Output** | **[Asus ROG CENTURION Headset](https://ca.pcpartpicker.com/mr/vuugo/8Fm323)**  [**Audioengine A5+ Bamboo 100 W 2.0 Channel Speakers**](https://ca.pcpartpicker.com/mr/canadacomputers/DfqdnQ) | 1  1 | $356.16  $629.00 |
| **Additional Features** | [Logitech BRIO Ultra HD Pro Webcam](https://ca.pcpartpicker.com/mr/canadacomputers/zxqBD3) | 1 | $249.99 |
| (Add the total of all your parts before tax) **SubTotal:** | | $21,943.15 | |
| (Your Sub-Total multiplied by 0.13) **HST:** | | $2,852.6095 | |
| (Add together the Subtotal and HST) **TOTAL BUILD COST:** | | $24,795.7595 | |

**Scenario #4 Explanation:**

**Record below the reasoning behind your build sheet selections.**

* **Is there anything you are particularly happy or unhappy with?**
* **Is this a system you would want for yourself?**
* **Did you get a good deal for any particular components?**
* **Are there any parts you weren’t sure about or wondered if there might be a better alternative?**

**Your thoughts:**

**I loved this scenario because of the unlimited budget and the lack of constraints within the scenario. This allowed me to pick the top of the top, while not worrying about budgeting and other constraints (other than the Noctua cooler.) What I loved to see was the price after I picked the parts because I tried to test the limits of compatibility for every powerful part by maxing out the processes. In a perfect world, I would get this system because it would be the top of the top and I would never have to worry about it faltering or replacing the parts for others. Most of the parts, I picked were high end and they were not on sale, so I wasn’t able to get an amazing deal. I wasn’t sure whether my parts were going to fit within the mini cube case because of the small space and when I would try to increase the number of memory or graphics cards, I would be restricted due to the small confinement of space.**

**Scenario #5  
*The Unreal Workstation***

**Background:**

**You have been subcontracted by a game studio to work on ingame cinematics for Xbox and Playstation games. The studio you are working for uses** [**Unreal Engine**](https://www.unrealengine.com/en-US/) **5. You looked at the system requirements and realized you need a new computer.**

**You need to put together an entirely new workstation. At least two high end 4K monitors are needed and two matching 4TB storage drives. An extra wide curved screen might be a more comfortable option. You love playing music while you work, a high end speaker system would be nice. You already have a good graphical tablet to work with. Now you just need to meet those system requirements:**

**UE5 Minimum System Requirements. (More would be better)**

* **12 Core CPU with 3.4Ghz Base Clock**
* **32GB or system memory.**
* **1800Mhz GPU**
* **8GB VRAM**

**BUDGET: $7000 including taxes.**

**Scenario #5 TECHNICAL SPECIFICATIONS:**

**Record the tech specs of the laptop you have decided to purchase here.**

|  |  |  |  |
| --- | --- | --- | --- |
| **PART** | **PART DESCRIPTION & VENDOR HYPERLINK** | **Qty** | **PRICE (Before Tax)** |
| **CPU** | [**AMD Ryzen 9 5950X 3.4 GHz 16-Core Processor**](https://ca.pcpartpicker.com/mr/canadacomputers/Qk2bt6) | 1 | $699.0 |
| **Motherboard** | **[Asus TUF GAMING X570-PLUS (WI-FI) ATX AM4 Motherboard](https://ca.pcpartpicker.com/mr/canadacomputers/dmGnTW)** | 1 | $254.99 |
| **Memory (RAM)** | [**G.Skill Trident Z Royal 16 GB (2 x 8 GB) DDR4-4400 CL18 Memory**](https://ca.pcpartpicker.com/mr/canadacomputers/sgYLrH) | 2 | $389.00  (for one) |
| **Storage** | [**Western Digital Blue 4 TB 3.5" 5400RPM Internal Hard Drive**](https://ca.pcpartpicker.com/mr/canadacomputers/9wVmP6) | 2 | $82.99  (for one) |
| **Graphics Card** | [**EVGA GeForce RTX 3060 12 GB XC BLACK GAMING Video Card**](https://ca.pcpartpicker.com/mr/pccanada/NsJgXL) | 1 | $546.99 |
| **CPU**  **Cooling** | [**Corsair iCUE H150i ELITE CAPELLIX 75 CFM Liquid CPU Cooler**](https://ca.pcpartpicker.com/mr/canadacomputers/8jFKHx) | 1 | $219.99 |
| **Power Supply** | **[Corsair RMx (2021) 850 W 80+ Gold Certified Fully Modular ATX Power Supply](https://ca.pcpartpicker.com/mr/canadacomputers/26rRsY)** | 1 | $159.99 |
| **Case** | [[**Thermaltake Versa J24 RGB ATX Mid Tower Case**](https://ca.pcpartpicker.com/mr/pccanada/47gzK8)](https://ca.pcpartpicker.com/product/d82bt6/lian-li-lancool-ii-mesh-atx-mid-tower-case-lancool-ii-mesh-rgb-black) | 1 | $129.99 |
| **Case**  **Cooling** | 3 Fans are in the case | 3 |  |
| **Operating System** | **[Microsoft Windows 10 Pro OEM 64-bit](https://ca.pcpartpicker.com/mr/canadacomputers/MfH48d)** | 1 | $169.99 |
| **Monitor** | [**ViewSonic VX3211-4K-MHD 31.5" 3840x2160 60 Hz Monitor**](https://ca.pcpartpicker.com/mr/pccanada/r3PKHx)  [**AOC Agon AG493UCX 49.0" 5120x1440 120 Hz Monitor**](https://ca.pcpartpicker.com/mr/pccanada/2D7p99) | 2  1 | $472.99  (for one)  $1313.99 |
| **Keyboard & Mouse** | [**Corsair K95 RGB PLATINUM Wired Gaming Keyboard**](https://ca.pcpartpicker.com/mr/corsairca/MYtWGX)  [**HP Pulsefire Core RGB Wired Optical Mouse**](https://ca.pcpartpicker.com/mr/bestbuyca/w87p99) | 1  1 | $229.99  $35.19 |
| **Audio Output** | [**PreSonus Eris E3.5 BT 50 W 2.0 Channel Speakers**](https://ca.pcpartpicker.com/mr/amazonca/jmfFf7) | 1 | $199.00 |
| **Additional Features** |  |  |  |
| (Add the total of all your parts before tax) **SubTotal:** | | $5849.07 | |
| (Your Sub-Total multiplied by 0.13) **HST:** | | $760.461 | |
| (Add together the Subtotal and HST) **TOTAL BUILD COST:** | | $6,610.161 | |

**Scenario #5 Explanation:**

**Record below the reasoning behind your build sheet selections.**

* **Is there anything you are particularly happy or unhappy with?**
* **Is this a system you would want for yourself?**
* **Did you get a good deal for any particular components?**
* **Are there any parts you weren’t sure about or wondered if there might be a better alternative?**

**Your thoughts:**

For this scenario, I wasn’t unhappy because I was given leniency to create a decent gaming rig and the cost of parts were relatively low, so I didn’t have to worry too much about budgeting the parts. However, I did like that there were specific minimum requirements to run Unreal Engine 5 because it allowed me to work with specific parts and know how much I need to put in order for my rig to work. I would get this system ideally because if it can run heavy programs such as Unreal Engine, then it can run almost any other process smoothly. Therefore, this means reliability (which is very important to me.) I got an amazing deal on the sticks of RAM because on different vendors, they would be close to $800 and it was difficult to find cheap, but good RAM. However, Canada Computers had them for almost half the price and it was also 2 sticks of 8GB. I was only unsure about the monitors because it was difficult to find cheap and curved monitors with 4k resolution, all the monitors were either 1080p or 1440p and costed around 2k. This made it difficult, but I decided to go with 2x 4k monitors (not curved) and get a 1.3k curved monitor.