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

**LAPTOP PURCHASING ACTIVITY**

**Instructions:**

* Using **Canadian retailers**, you will shop for two **new laptops** to fulfill the budget and feature needs as described in the two scenario backgrounds.
* Record the retailer and price information in the provided tables.
* Record device specifications in the provided tables.
* Record the reasoning behind your selection 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.

**Scenario #1**

**Background:**

**You are going to college on a forestry and wildlife course. This means that you are going to be using your laptop outdoors in some rough situations. It’s very probably going to get dropped and even rained on. The course runs year round and this laptop will spend a lot of time in the back of a truck in a dirt covered backpack.  
 Considering that there is a pretty good chance this thing is going to die an untimely death, and you blew most of your money on outdoor gear, you’ve decided that you don’t want to spend very much on it. Most of what you will be doing with it is emails and data entry on google docs.**

**Besides being tough and cheap, the only thing you really need is the ability to connect to the internet when you’re miles away from any wifi. Either directly through an internal cellular network or indirectly through your cell phone will be fine. Long lasting battery life would be a bonus. It sucks when you have to recharge in the truck.**

**BUDGET: $480 including taxes.**

**Vendor Information:**

**Record where you would buy this laptop and how much it would cost. (Use Canadian $$$)**

|  |  |
| --- | --- |
| **Vendor Information:** | **Bestbuy.ca** |
| **Hyperlink to device:** | [**Bestbuy-Lenovo Laptop**](https://www.bestbuy.ca/en-ca/product/lenovo-ideapad-1-14-laptop-platinum-grey-intel-celeron-n4020-64gb-emmc-4gb-ram-windows-11-s/15701035) |
| **Price before tax.** | **$369.99** |
| **Additional costs (like shipping) if any.** | **Free shipping** |
| **Total with HST:**  **($480 MAX!)** | **Taxes: $48.10**  **Product with HST: $418.09** |

**Scenario #1 TECHNICAL SPECIFICATIONS:**

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

|  |  |
| --- | --- |
| **Model Name & Number** | Model Name: Lenovo Ideapad 1 14” - Platinum grey  Model Number: 81VU00CVCF |
| **Manufacturer** | Lenovo |
| **Operating System** | Pre-loaded Windows 11 in S mode |
| **CPU** | Intel Celeron N4020, 2 cores, 1.1 GHZ, 4 MB cache |
| **GPU** | Intel UHD Graphics 600 |
| **Memory** | RAM size: 4 GB  RAM type: 2400 MHz |
| **Storage** | 64 GB eMMC |
| **Display** | 14-inch screen with HD display, resolution is 1366 x 768 |
| **Wireless Communications** | Bluetooth 5.0 connectivity and offers instant pairing with compatible devices. |
| **Sound** | Dolby Audio with a built-in dual stereo speaker. |
| **Camera(s)** | Webcam with a dual microphone |
| **Battery** | Lithium Battery with up to 8 hours of life, 2 cells and 32 Wh capacity |
| **Input/Outputs** | 2 USB A 3.2 ports, HDMI display port and one shared microphone/headphone jack. |
| **Additional Features** | N/A |

**Scenario #1 Explanation:**

**Record below the reasoning behind your chosen purchase. Was there some feature or something special about this device that you liked? Was it a really good price? What makes this a good laptop for someone who might drop it in the mud or leave it to freeze in the winter?**

**Your thoughts:**

**I chose this product because it’s a durable laptop for a good price. In particular I chose this product because it has a long a battery life and can be used in the outdoors extensively due to the compatibility with other devices via Bluetooth and access to LTE via this feature. This laptop is good in harsh conditions because it’s made up of a reinforced and scratch proof aluminum exterior. Furthermore, in cold conditions, using this laptop would be ideal because when running heavy processes, the laptop will start to heat, and the cold of winter can make it run more smoothly due to constant cooling.**

**Scenario #2**

**Background:**

**You were just accepted into the university of your dreams for the visual arts program you desperately wanted into. You also scored a pretty sweet equipment loan from OSAP! Thank goodness, because you were warned that you are going to need a laptop with some serious power for this program.**

**First of all, this thing needs to be able to connect with the school issued graphic artist tablet. It needs to have an HDMI port as well as two USB-A ports to connect to the artist tablet. You can get away with 3 USB-C ports instead so long as one of them has video out capability and you can find the right adapters.**

**Second, you will be rendering both 2D and 3D animations on this thing. It needs some kind of GPU or specialized graphics cores to pull that off between classes. Lastly, you want to be able to take the laptop and the artist tablet to the coffee shop with your friends and work there for a while. The batteries need to do double duty there because they’ll be powering the artist tablet on top of the regular electrical needs of the laptop itself.**

**BUDGET: $4000 including taxes.**

**Vendor Information:**

**Record where you would buy this laptop and how much it would cost. (Use Canadian $$$)**

|  |  |
| --- | --- |
| **Vendor Information:** | **Bestbuy.ca** |
| **Hyperlink to device:** | [**BestBuy High End Laptop**](https://www.bestbuy.ca/en-ca/product/asus-rog-strix-scar-15-15-6-gaming-laptop-off-black-i9-12900h-1tb-ssd-16gb-ram-rtx-3070-ti-win-11/16013570) |
| **Price before tax.** | **$2,599.99** |
| **Additional costs (like adapters) if any.** | **N/A** |
| **Total with HST:**  **($4000 MAX!)** | **HST: $338.00**  **Product with HST: $2,937.99** |

**Scenario #2 TECHNICAL SPECIFICATIONS:**

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

|  |  |
| --- | --- |
| **Model Name & Number** | Model Name: ASUS ROG Strix Scar 15 15.6” Gaming Laptop  Model Number: G533ZW-BS91-CB |
| **Manufacturer** | ASUS |
| **Operating System** | Windows 11 Home |
| **CPU** | Intel Core i9-129OOH |
| **GPU** | NVIDIA GeForce RTX 3070 TI |
| **Memory** | 16 GB of DDR5 RAM |
| **Storage** | 1 TB SSD |
| **Display** | 15.6-inch IPS-type display and 1920 x 1080 resolution |
| **Wireless Communications** | Bluetooth 5.2 (Dual Band) 2\*2 with wide wireless coverage |
| **Sound** | Dolby Atmos Hi-Res audio, 4x smart AMP speakers, two-way AI Noise Cancelation and 5.1.2 Channel Virtual Surround Sound |
| **Camera(s)** | N/A |
| **Battery** | 4S1P, 4-cell Li-ion and 90 Wh capacity |
| **Input/Outputs** | 1 x Thunderbolt 4 support DisplayPort, 1 x USB 3.2 Gen 2 Type C DisplayPort, G-SYNC, 2x USB 3.2 Gen 2 Type-A, 1x HDMI 2.2 display port, 1x 2.5G LAN port; 1x 3.5mm Combo Audio Jack |
| **Additional Features** | Backlit Keyboard and ROG Boost to overclock the GPA up to 1460MHz at 150W |

**Scenario #2 Explanation:**

**Record below the reasoning behind your chosen purchase. Was there some feature or something special about this device that you liked? Was it a really good price? What makes you think this laptop is going to render your work on time?**

**I chose this product because it is a high-end gaming laptop and it has all the modern top of the line specifications for a laptop. Furthermore, I chose this laptop because of the backlit RGB keyboard and the ROG boost for overclocking the GPU. Also, the laptop is sold for an incredible price for the specs. I think this laptop is perfect for a visual arts program because the specs are top quality and if they can run AAA games than they can run heavy programs. Moreover, the CPU is an Intel Core i9 and this processor is one of the fastest on the market for commercial use. The GPU is a NVIDIA GeForce RTX 3070 TI and this GPU is perfect to run any 3D modelling software because of its high-performance rate. Overall, this laptop will render the work on time.**