***Building a Computer (ICS3C1)***

**Description:**

You are planning to go away to college and decide to save money by building your own computer. However you are on a budget and can only afford to spend $1800 on all hardware and software (including sales tax). You require the following hardware:

|  |  |
| --- | --- |
| * Computer case | * Power supply |
| * Motherboard | * RAM (8 GB minimum) |
| * CPU (compatible with the motherboard) | * Graphics card (2 GB VRAM minimum) |
| * Wireless network card or wireless network adapter * DVD ROM | * Solid state HDD (100 GB minimum) * Hard drive (1 TB minimum) |
| * Monitor with DVI input | * Mouse |
| * Keyboard | * Speakers |

You also require the following software:

|  |  |
| --- | --- |
| * Operating System | * Anti-Virus Software |
| * Office Suite | * Programming Software |

You are allowed to purchase additional hardware and software that you feel you may need. All hardware must be new, up-to-date hardware. All software is either purchased or available for free if it is freely distributed. **Promoting the illegal downloads of proprietary software will result in a mark of 0.**

**Evaluation**

Create an organized chart or create a slide presentation with the list of hardware and software that you found. Each piece of hardware and software must include the following:

* Hardware Name (e.g. Motherboard)
* Manufacturer and model number
* Relevant specifications
* Cost
* Web site visited
* A total cost for **all** hardware and software *including tax*.

**Note: Submitting pre-made computers, laptops, or resale computers will result in a mark of 0.**

**Resources**

The following web sites offer computer hardware and software for wholesale:

<http://www.tigerdirect.ca/>

<http://www.canadacomputers.com/>

<http://www.ncix.com/>

http://www.newegg.ca/