



Hardware Review Table For My System (AO1b)


You must fill-in a hardware review table for each piece of hardware in your sub-system. This is to include ALL input, processing and output devices for each sub-system.

	Sub-system name.	Million Air Database
	Printer	Laser
	Explain what this device is used for.	Printing out work onto paper
	Is this an Input, process or Output device?	Output
Details of Hardware Item I Will Use:		
	Description of the actual hardware device I will use.	A box shaped appliance that prints instructed materials. Uses a toner.
	Here is a picture of this device	
	Advantages of using this device.	Faster and better quality than other printers.
	Disadvantages of using this device.	Expensive to replace.


Other hardware that I could have used instead of this one are described on the next page.

Another Hardware Device I Could Have Used Instead		
Device Name:		Printer
	An alternative hardware device I could have used is...	Inkjet
	Here is a picture of this device	
	Description of this device	Box shaped and prints out by heating ink.
	If I had used this device, the advantages would have been...	Cheap to buy. Cartridges cost less.
	If I had used this device, the disadvantages would have been...	Noisier than a laser printer. Colour printing can be extremely slow.


Contrast and compare chosen device to alternative	
Device Name:	Printer
Both the printers are an output device. Both print what we want. Inkjet printers will not be used at companies like laser printers. Inkjet are cheaper than laser. Lasers are better quality.	

	Sub-system name.	Million Air Database
	keyboard	Qwerty
	Explain what this device is used for.	Typing
	Is this an Input, process or Output device?	Input
Details of Hardware Item I Will Use:		
	Description of the actual hardware device I will use.	The name comes from the first six letters on the top row of the alphabet keys. Rectangular shaped.
	Here is a picture of this device	
	Advantages of using this device.	<ul style="list-style-type: none"> • Attached with Pc so costs less. • No limits to what you write.
	Disadvantages of using this device.	<ul style="list-style-type: none"> • Easy to make mistakes. • You can get hand problems.


Other hardware that I could have used instead of this one are described on the next page.

Another Hardware Device I Could Have Used Instead		
Device Name:		Printer
	An alternative hardware device I could have used is...	Ergonomic Keyboard
	Here is a picture of this device	
	Description of this device	They are supposed to put your hands into a much more natural position than a traditional keyboard.
	If I had used this device, the advantages would have been...	<ul style="list-style-type: none"> • Reduces muscle strain. • Once used to it much faster to time.
	If I had used this device, the disadvantages would have been...	<ul style="list-style-type: none"> • Highly Priced. • Practice to get used to.


Contrast and compare chosen device to alternative	
Device Name:	Keyboard
Both are input devices. Qwerty keyboards cost less. Ergonomic keyboards reduce muscle strain but need time to get used to it.	


	Sub-system name.	Million Air Database
	Processor	Intel Centrino
	Explain what this device is used for.	Brain of the computer system where calculations and decisions are made; also referred to as the CPU
	Is this an Input, process or Output device?	Process
Details of Hardware Item I Will Use:		
	Description of the actual hardware device I will use.	They are circuits, around the size of a fingernail, which contain many millions of electronic components manufactured as one very complex circuit.
	Here is a picture of this device	
	Advantages of using this device.	<ul style="list-style-type: none"> • Up to date.
	Disadvantages of using this device.	<ul style="list-style-type: none"> • Can be very slow at times.

Other hardware that I could have used instead of this one are described on the next page.


Another Hardware Device I Could Have Used Instead		
Device Name:		Processor
	An alternative hardware device I could have used is...	Intel Pentium
	Here is a picture of this device	
	Description of this device	A small chip which controls the computer.
	If I had used this device, the advantages would have been...	<ul style="list-style-type: none"> • Fast • Very Popular
	If I had used this device, the disadvantages would have been...	<ul style="list-style-type: none"> • Many versions can get mixed up with the good and bad one.

Contrast and compare chosen device to alternative	
Device Name:	processor
Both are processors. Pentium is faster and more popular than Centrino.	


	Sub-system name.	Million Air Database
	Mouse	Optical Mouse
	Explain what this device is used for.	To move the cursor across the screen and to select objects etc.
	Is this an Input, process or Output device?	Input
Details of Hardware Item I Will Use:		
	Description of the actual hardware device I will use.	Hand-sized with two buttons on for right click and the other for left click. Has an LED at the bottom.
	Here is a picture of this device	
	Advantages of using this device.	<ul style="list-style-type: none"> • They can work on many surfaces. • No moving ball underneath no worry of dirt clogging up.
	Disadvantages of using this device.	<ul style="list-style-type: none"> • Need a flat space close to the computer. • They can have problems in bright light.

Another Hardware Device I Could Have Used Instead		
Device Name:		Mouse
	An alternative hardware device I could have used is...	Touchpad
	Here is a picture of this device	
	Description of this device	Used in laptops. Move cursor using motions of the finger.
	If I had used this device, the advantages would have been...	<ul style="list-style-type: none"> • Attached with laptop do not require extra space. • Fewer chances of hand injuries as it is only moving the fingers.
	If I had used this device, the disadvantages would have been...	<ul style="list-style-type: none"> • Difficult to do things like dragging drawing etc. • Can get quite out of control at times.

Contrast and compare chosen device to alternative	
Device Name:	Mouse
Both are an input device and both detect movement and get the same outcome. Touchpad require no space as optical do. The place of the touchpad is fixed where as you can choose where you want to keep an optical mouse.	

	Sub-system name.	Million Air Database
	Monitor	Liquid Crystal Display (LCD)
	Explain what this device is used for.	To display what you are doing on the computer.
	Is this an Input, process or Output device?	Output.
Details of Hardware Item I Will Use:		
	Description of the actual hardware device I will use.	A flat screened monitor. Uses very small amounts of electric power.
	Here is a picture of this device	
	Advantages of using this device.	<ul style="list-style-type: none"> • Small and light. • Very energy efficient.
	Disadvantages of using this device.	<ul style="list-style-type: none"> • Expensive. • Very fragile.

Other hardware that I could have used instead of this one are described on the next page.

Another Hardware Device I Could Have Used Instead		
Device Name:		Monitor
	An alternative hardware device I could have used is...	Cathode Ray Tube (CRT)
	Here is a picture of this device	
	Description of this device	CRT monitors are quite big and bulky.
	If I had used this device, the advantages would have been...	<ul style="list-style-type: none"> • Cheaper than LCD. • Respond quicker than some LCDs.
	If I had used this device, the disadvantages would have been...	<ul style="list-style-type: none"> • Heavy and large. • Generates excess heat. • Uses large amounts of energy.

Contrast and compare chosen device to alternative	
Device Name:	Monitor
Both are an output device and both show the same things. LCD uses less space than CRT. LCDs can be mounted into a wall whereas CRTs cannot.	