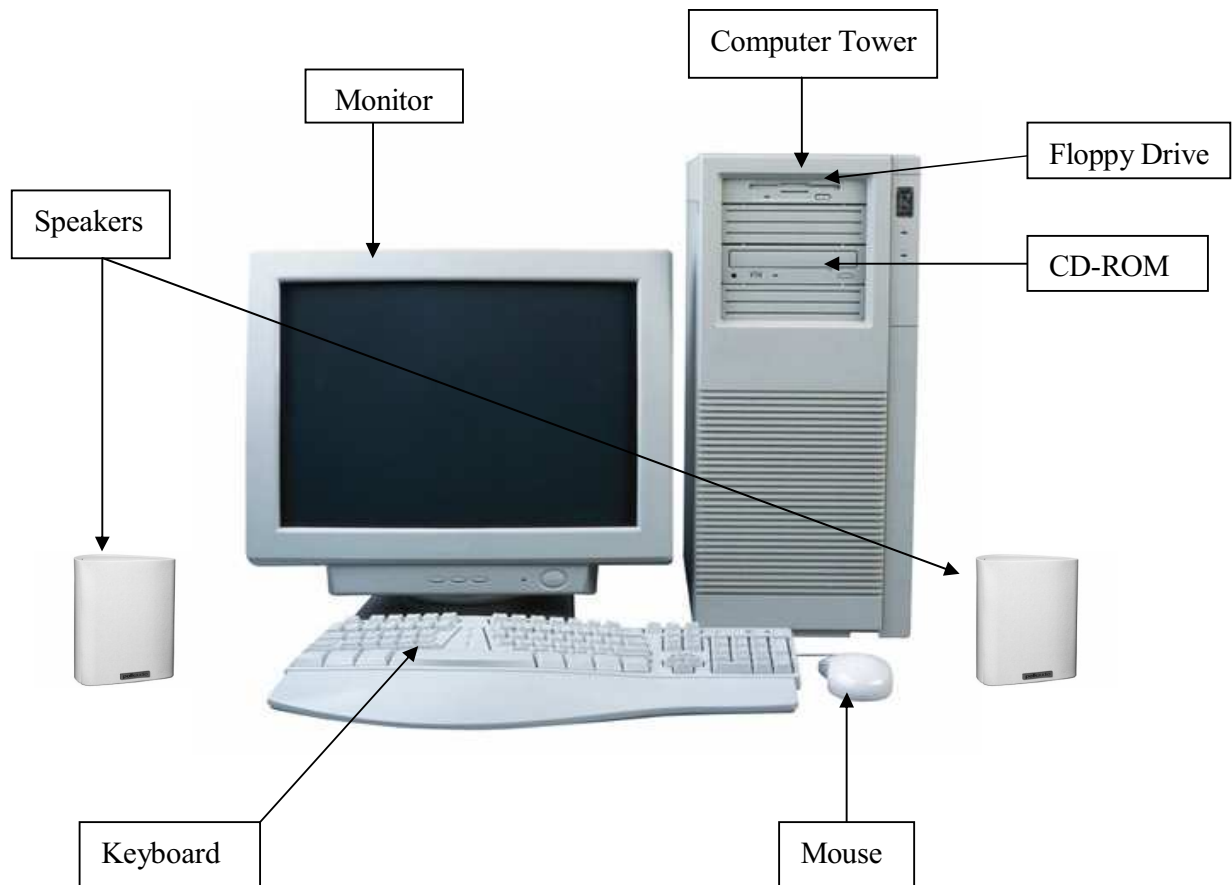


Hardware

Hardware is a part of computer which can be seen and touched.



Types of hardware

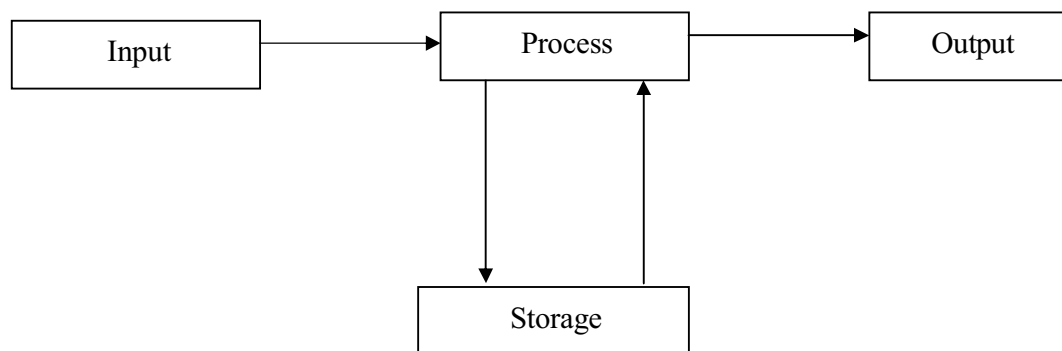
There are 4 main types of hardware as shown below:

Input: A hardware which is used to put data.

Process: Turns input data into different type of data.

Storage: A hardware which keeps data safe.

Output: Takes out the input data from a computer.



The list below shows which hardware's I used:

Input: keyboard, mouse and scanner.

Process: 3.0 GHZ processor.

Storage: 512 MB RAM, USB, 80 GB SATA Hard disk.

Output: monitor and printer.

This table shows which hardware's I used to complete my coursework.

<u>Name of device</u>	<u>Price</u>	<u>The way it works</u>	<u>Advantages</u>	<u>Disadvantages</u>
CRT Monitor	£19.99 Pc world	It contains millions of small blue, red and green phosphor dots which glow, when it is hit by an electron beam which goes across the screen to create an image which you will be able to see. http://www.howstuffworks.com	It is very cheap compared to TFT monitors so people can afford them.	It is a bit noisy so for libraries and offices it won't be useful.
		CRT stands for Cathode Ray Tube. The picture on a monitor is made up of thousands of tiny coloured dots called pixels.	It can handle a multiple resolution whereas a TFT cant.	It creates to much heat which people don't like.
		The quality and detail of the picture depends on the number of pixels that the monitor can display. The higher the number of pixels, the better quality the output.	Because it is fatter than TFT monitors, it is harder for the screen to get damaged.	Because it is so fat It needs a lot of room compared to TFT monitor.
Mechanical Mouse	£2.99 Pc world	It has 2 wheels which are in touch with the ball. The wheels are set up at a 90° from each other so 1 senses the forward and backward while the other senses left and right. http://www.howstuffworks.com	It is very cheap compared to optical mouse so people can afford them.	Dust and dirt can get inside the mouse to make it slow or get damaged
		By Using the mouse you can control what happens on the screen by moving and clicking the mouse and selecting items on the screen.	Because it is not wireless it can't get lost compared to a wireless mouse.	To use the mouse you have to use it on a mouse mat or a special surface
			It is usually supplied with a computer when you buy the computer.	Because it is not wireless you can't use the mouse from a long distance compared to a wireless mouse.
		When a button is	It is so cheap to	If you use the

Keyboard	£5.99 Pc World	pressed, the processor has to check the keys character and then send it through the cable to the monitor that it is connected to. http://www.howstuffworks.com	buy and sometimes it comes supplied with the computer.	keyboard so often it can lead to injuries such as R.S.I.
		The keyboard is the most common and widely used input device. It is made up of buttons called 'keys'. The keys are arranged into sections: alphabet keys, F keys, Numeric keys and Arrow keys	It is so easy to use so people don't need lot training.	Keyboards are not suitable for creating things. E.g. pictures, diagrams E.T.C
			There is a lot of different type of keyboards available. Each one for a different activity.	Because it is not wireless, you can't use it from a longer distance compared to a wireless keyboard.
Handheld Scanner	£89.99 Pc World	It uses a light source, normally a cold cathode lamp to brighten the scanned imaged. The light is the reflected off the object and into charged couple device. http://www.howstuffworks.com Scanners are used to Change images or text on paper into a digital format that can be used by the computer. Handheld scanners are normally a few inches wide and are held in the hand whilst they are rolled across the document to be scanned.	Because Handheld scanners are small it doesn't need a lot of space compared to a Flatbed scanner.	It does not give high quality pictures so it is not very good for pictures.
			Images can be included on electronic documents after its been scanned.	If the original image is bad, the final image will be bad as well.
			It is very fast and it's more reliable than Flatbed scanners.	Images can take up a lot of memory space.
Laser Printer	£199.99 Pc World	A mirror reflects a beam of laser, and then lays them. A toner is then sprayed onto it. A paper is now pressed onto the toner and is slightly heated so that it sticks firmly on the paper http://www.howstuffworks.com They are used to create a	It prints out very quickly compared to ink-jet and dot-matrix printers	It is the most expensive printer especially the colour lasers.
			It prints out very fast compared to ink-jet and dot-matrix printers	Because it is so big it takes up more space than ink-jet printers.
			It has a high quality	It is very expensive to

		hard copy of your work i.e. something that you can hold, hand to someone else or file away.	compared to ink-jet and dot-matrix printers	repair because of the complex parts inside.
512 MB RAM	£29.99 Pc World	<p>Millions of transistors and capacitors are contained in a RAM. One of each join together to create a memory cell which represents a single bit of data. http://www.howstuffworks.com</p> <p>It stores modules that are needed to make your applications work. It is also needed so that you can have multiple windows open but if you have a lot of applications running then your computer will slow down.</p>	It can open couple of windows at once which is good for quick use.	If there's less memory on the RAM the computer will be slow.
			It holds data and doesn't lose it unless you close the computer.	If there are a lot of windows open the computer will slow down because the RAM will be full.
			Modules are stored as well that are needed to make your applications work	RAM with more memory will cost more than RAM with less memory.
512 MB Memory Stick	£1.99 Pc World	<p>It works in a similar way to RAM. The only difference is that it saves and holds the data even when the computer is switched off.</p> <p>It consists of a small printed circuit board which is packed up in plastic or metal casing. It usually has a removable cap which covers and protects the part of the stick which is inserted into a USB port. Its main purpose is that it is used to store data.</p>	It is small so it can be carried anywhere you go (portable)	Because it is so small (portable) it can easily get lost.
			It is very reliable because it has no moving parts compared to CD's and floppy Disks.	The metal part at the front can snap If the USB is handled roughly.
			It holds more data than a floppy disk and some hold more than CD's.	Dirt can get inside if the cap is not on the USB.
80 GB SATA	£29.99	A drive creates the tracks and sectors at a low-level formatting. The sectors starting and ending points are written. When this happens the disk will be	It has a very large storage capacity.	It is much slower to access than ROM and RAMS chips.
			It stores and retrieves data much faster than	Hard disks can crash which stops the computer

Hard Disk	Pc World	<p>ready to save. http://www.howstuffworks.com</p> <p>The hard disk is the main storage device in your computer. All of your data files and applications software are stored on it. To access the data a platter spins thousand of times and a magnetic write and read head floats above the surface of the platter. Hard disks are measured in Gigabytes.</p>	a floppy disk or a CD-ROM.	from working.
			It doesn't lose items when computer is switched off.	It is not easy to move to another computer because it is built in into a computer.
3.0 GHZ processor	£125.00 Pc World	<p>A clock inside the processor ticks every second which works out an instruction each time. It processes the input data that a person had previously worked on and changes it to another form like output data. http://www.howstuffworks.com</p>	It is faster than a 2.8GHZ processor.	Because it is too expensive people won't be able to purchase it.
			It makes it faster for people to work compared to 2.8GHZ.	It is fragile so it can break if not being careful.
			It can carry 3 billion (3,000,000,000) instructions per second.	It is slower than a 3.2GHZ which not good for people who play games for example.

Alternatives

This table shows the alternatives of the table above

<u>Name of device</u>	<u>Alternative</u>	<u>The way it works</u>	<u>Advantages</u>	<u>Disadvantage</u>	<u>Difference it would make if used</u>
CRT Monitor	TFT Monitor	<p>It contains millions of small blue, red and green phosphor dots which glow, when it is hit by an electron beam which goes across the screen to create an image which you will be able to see. <i>http://www.howstuffworks.com</i></p> <p>TFT stands for Thin Film Transistor. A monitor displays the information on a screen.</p> <p>The quality and detail of the picture depends on the number of pixels that the monitor can display. The higher the number of pixels, the better quality the output.</p>	Because TFT Monitors are small it takes up less space than CRT Monitors.	Because TFT Monitors are small it is easier to damage than CRT Monitors	<p>The difference it will make is that I would be able to work in peace because it is much quieter than CRT Monitors but a few pokes can damage the screen</p>
			TFT Monitors are much quieter than CRT Monitors.	It costs much more than a CRT Monitor so not everyone can afford it.	
			It creates much less heat than CRT Monitors.	A few pokes on the screen can cause lasting damage.	
Mechanical Mouse	Optical Mouse	<p>A sensor detects the light bounced off by the LED and sends it to the DSP. The (DSP) digital signal processing checks how far the mouse has moved and sends instructions</p>	It can work on nearly every surface because of the laser at the bottom.	It costs much more than a mechanical mouse.	<p>The difference it will make is that I will not have to purchase any type of</p>
			It comes	Because it is	

		<p>according to that to the computer. <i>http://www.howstuffworks.com</i></p> <p>An optical mouse is used more often because it is fast and smooth. By Using the mouse you can control what happens on the screen by moving and clicking the mouse and selecting items on the screen.</p>	<p>usually supplied with a new computer.</p> <p>Because it has no ball at the bottom, dirt can't get inside.</p>	<p>not wireless it can't be used from a long distance.</p> <p>If you use the mouse so often it can lead to injuries such as R.S.I.</p>	<p>surface because it works on most surfaces but I won't be able to use it from a longer distance because it is not wireless.</p>
Keyboard	Wireless Keyboard	<p>It uses Infrared (IR) signals or even a Bluetooth connection to send information to the computer. A receiver is the used to do this job. They use batteries for power or an AC power connection. <i>http://www.howstuffworks.com</i></p> <p>It is made up of buttons called 'keys'. The keys are arranged into sections: alphabet keys, F keys (F1, F2, F3), Numeric keys (one set above the alphabet keys and a numeric keypad on the right) Arrow keys</p>	<p>Because it is wireless, it can be used from a longer distance than a normal keyboard.</p> <p>People can work more comfortably from far away.</p> <p>It doesn't have wires which need connecting to the computer which also makes it easier to use.</p>	<p>Because it is wireless, it cost much more than a normal keyboard.</p> <p>It is has a small range so it wont be able to used from far away.</p> <p>It uses battery so it can easily run out of energy.</p>	<p>The difference it will make is that It would be easier for me to use it than the normal keyboard because I will be able to sit where ever I like comfortably but it uses battery so I won't be able to use it for ever.</p>
		<p>It uses a light source, normally a cold cathode lamp to brighten the scanned imaged. The light is the reflected off the</p>	<p>It can be purchased by anybody because it is cheap compared to</p>	<p>It is very hard to carry around because it is to big compare to</p>	<p>The difference it</p>

Handheld Scanner	Flatbed Scanner	<p>object and into charged couple device. <i>http://www.howstuffworks.com</i></p> <p>Scanners can be used to convert images or text on paper into a digital format that can be used by the computer.</p> <p>The most popular type is the flatbed scanner. They can scan larger images and are more accurate than handheld scanners.</p>	handheld Scanner.	handheld scanners.	will make is that it will create great photographs because it will be high quality but the image takes up a lot of memory space.
			It is great for photographs because it produces high quality images.	The quality of the final image depends on the quality of the original image.	
			It can send any kind of document to the computer to be saved.	Images take up a lot of memory space.	
Laser Printer	Ink-jet Printer	<p>These printers use cartridges which contain ink. They operate by heating the ink. The heating process causes a small droplet of ink to form. This is then released which forms part of a letter or image</p>	It is much cheaper than a laser Printer so can be bought by everyone.	At times printing takes ages especially when printing colour images.	The difference it will make Is that the prints out will be great but at time the printing takes ages especially when printing colour images.
			It produces good quality print outs compared to Dot-Matrix Printer.	The ink can easily smudge while it is still wet.	
			It is much faster than Dot-Matrix Printer.	It is much nosier than Laser Printers.	
512 MB RAM	1GB MB RAM	<p>Millions of transistors and capacitors are contained in a RAM. One of each join together to create a memory cell which represents a bit of</p>	It has much more storage capacity than 512 MB RAM.	You will still need more RAM to make the computer work faster with specific programs.	The difference it will make is that it will let me work a lot faster on the computer
			The computer processes	If lots of windows are open at once	

		data. The transistor is like a switch which lets the control on the memory chip read the capacitor or. If the computer is switched off the data will be lost.	<p>faster because the more RAM you have the faster the computer is.</p> <p>It is faster at processing data.</p>	<p>and they are not in its capability then the computer will slow down because the ram will be full.</p> <p>It is much more expensive than the 512 MB.</p>	because it will increase the computers processing speed which will allow me to do things faster on the computer.
512 MB Memory Stick	CD-ROM	The laser is focused on the track of the bumps. Its beam passes through a layer, hits a device, and then gets reflected by an aluminium layer. The changes in the beam are detected by the bumps and flat places so the bits and bytes are read by the electronics that interpret the changes in the reflectivity.	<p>Because it is small it can be carried around (Potable)</p> <p>It is smaller very cheap to produce.</p> <p>Most computers can read CDs. If there is no CD drive, a DVD drive can usually read them</p>	<p>It is very fragile. It can easily scratch or get snapped.</p> <p>It is slower to access than the hard disk.</p> <p>It has a smaller storage capacity than a hard drive or DVD.</p>	The difference it would make is that I will be able to carry my data around because it is small but if it gets scratched it will take a lot of time to load up my data which will be a waste of time.
80 GB SATA Hard Disk	IDE (Integrated Drive Electronics)	It is a controller which is on the circuit board and attached to the hard drive. It saves information just like a hard drive.	<p>It reacts to instructions faster than a hard drive.</p> <p>It saves data faster than as hard drive.</p> <p>It makes it much easier for people to access</p>	<p>It is expensive for some people to buy instead of hard disks.</p> <p>It is a chip and so it is fragile and can break easily.</p> <p>It will need a much bigger space in the</p>	The difference it would make If I used it is that I would be able to access my data very easily but it can break very easily because it is a chip.

			data.	computer tower because of its size.	
3.0 GHZ Processor	3.4 GHZ Processor	A clock inside the processor ticks every second which works out an instruction each time. It processes the input data that a person had previously worked on and changes it to another form like output data.	A person can do his/her work more quickly.	Faster processors also need faster computers or newer ones.	The difference it would make is that I will be able to do my work much quicker but I might not be able to buy it because it is too expensive.
			It is much faster than a 3.0 GHZ processor.	It could be hard to fit in the tower because it is slightly bigger.	
			The work of processing data will be done much quicker.	It is more expensive than other processors like 3.0 GHZ processor.	

Software

Software is something which can't be touched physically but it can be seen on the computer.

There are two main types of software's: Operating software and application software as shown below.

Operating Software (O.S)

It shares computer system resources between the user and the application program they can run.

Application Software

Application software is computer software designed to help the user perform a particular task

There are two main types of software: CLI and GUI as shown below.

1. CLI –Command Line Interface
2. GUI – Graphical User Interface

Type of O.S	The Main Functions	Advantages	Disadvantages
GUI	The main function is to allow a user to communicate with a computer by clicking icons with a mouse.	It is much easier to use than CLI because commands need to be learnt on CLI.	When it's not properly built it can be very hard to use/work with.
		It is much more attractive than CLI.	It generally requires more memory resources than a non-graphical one.
		It can be user friendly and speed up the users work.	It takes up a lot of space on the hard disk.
CLI	The main function is to let a user type commands with a keyboard instead of clicking on icons to interact with the computer.	The RAM doesn't need much memory to use this type of interface.	The commands can't be guessed, it has to be learnt from before.
		It is much faster the GUI if the user knows all the commands.	It can be confusing for the people who don't know the commands.
		It does not require windows to run it for a user.	A spelling error can make the command fail.

Operating software I used and why?

The operating software I used was GUI (Graphical User Interface) and the version was Windows 7.

If I had used Microsoft 98 or any other old version then my computer would probably work so slowly. Also some applications like Microsoft office Word won't work properly because Microsoft 98 won't be able to cope with the more Microsoft.

If I had used CLI (Command Line Interface) it would have been much difficult for me and it would have taken me so much time to do my work because I would have to learn so much commands. Another disadvantage is that I don't know how to use CLI at all so it would have also taken me a long time to learn how to use it.

Application Software

These are the applications I used.

Microsoft Publisher
Microsoft Word
Paint
Internet Explorer

This table shows all the applications I used to complete my coursework

<u>Name of Application</u>	<u>Price</u>	<u>Main Functions</u>	<u>Advantages</u>	<u>Disadvantages</u>
Microsoft Publisher	£49.99	The main function of Microsoft publisher is to create websites, documents, cards, almost everything ETC. It is easy to create these kinds of things with Microsoft publisher.	It is very easy to create websites cards etc.	It takes a very long time to install on the computer.
			It runs in a very fast speed so it doesn't need time to load up.	It can be very confusing and you need to know how to use it.
			It has so many design options, about over 1,000 professionally designed templates.	You can't make very precise layouts because it doesn't have the precise tools.
Microsoft Word	£49.99	The main function of Microsoft office word is to create and also edit text, graphics in letters, reports, and web pages and also email messages. For this it has different functions like formatting text into different styles and formatting the font.	Data can be imported from a spreadsheet to this so that a mail merge can be created.	It is quite difficult to store data like Microsoft Access.
			If you get any mistakes it can be corrected so easily.	Not everyone will be able to purchase it because it costs too much.
			The work can be saved so that it could be done at another time.	If people start relying on the spell checker they might lose their spelling skills.
Internet Explorer	You don't need to purchase it because it is already installed on the	The main function is that people have wide access to the information they want. The other function is that they can communicate, do	Doesn't need to be purchased because it's already installed on the operating software.	Some information can be biased and inaccurate.
			Used for a lot of things E.G. Communication, shopping, gaming	Surfing the internet too much, can be addictive.

	operating software.	a bit of shopping, and it can also be used for entertainment.	E.T.C It can be accessed by anyone in the world.	Illegal sites always occur even if you're surfing the web carefully.
Paint	You don't need to purchase it because it is already installed on the operating software.	The main function is to create drawings and to display scanned photos. The other function is to create pictures and diagrams.	Doesn't need to be purchased because it's already installed on the operating software.	It can't store information in a table like Microsoft Access.
			You can draw logos, pictures E.T.C	Older versions of it cannot open files that are from a newer version.
			It has a special image function which allows you to edit or change photos.	It cannot type in text in different forms like Microsoft Office Word.

Alternatives

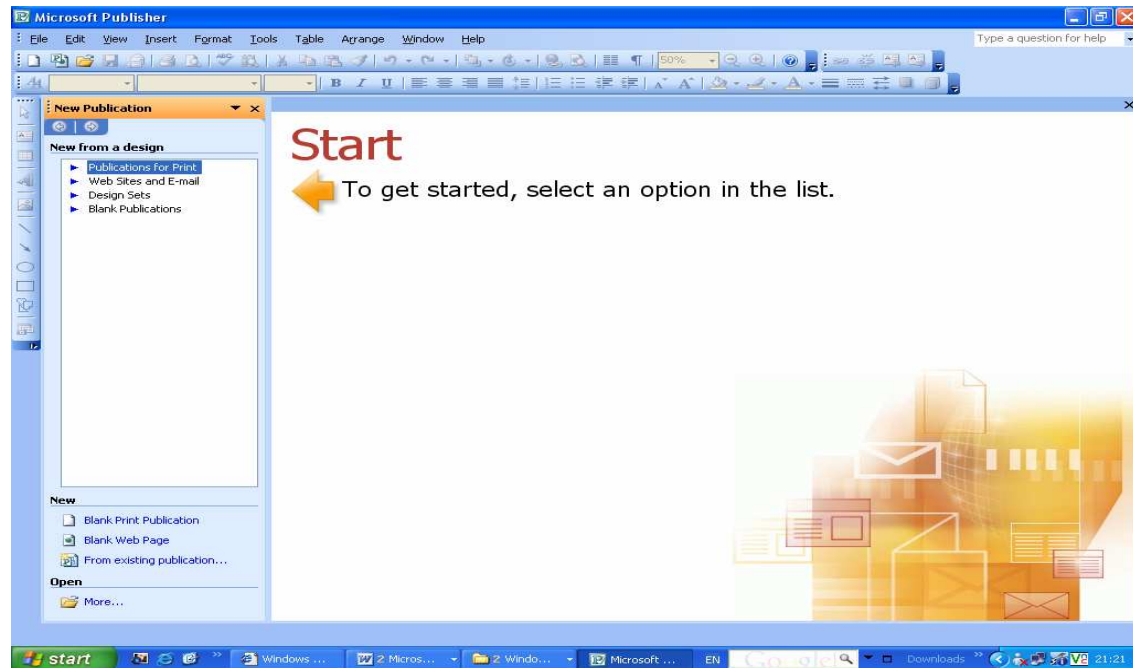
This table show the alternatives of the table above

<u>Name of Application</u>	<u>Alternative Application</u>	<u>The way it works</u>	<u>Advantages</u>	<u>Disadvantage</u>	<u>Difference it would make if I used it</u>
Microsoft Publisher	Adobe Dreamweaver	The main function of Adobe Dreamweaver is to create mainly websites but other things can be made such as cards, magazines etc.	Websites can be made much more accurately and much more precise than Microsoft word.	It is much more expensive than Microsoft word so it can't be purchased by everyone.	The main difference it makes is that I would be able to work more accurately and create better websites. However it is more complicated than Microsoft publisher so it will be hard to use.
			Website designers can make changes to the design of a website simply by editing the Dream Weaver template files.	It is much more complicated than Microsoft word so it'll be hard to use.	
			Simple and complex websites can be designed using a point and click method.	It takes much longer to install.	
Microsoft Word	Open Office Writer	The main function of is to create and edit text, reports, and web pages and email messages. For this it has different functions like formatting text into different styles.	The wizard makes it easier for new beginners to use.	The wizards appear too much which is distractible.	The main difference is that I would be able to create and edit text, reports, web ages and email messages easier and much more
			It can connect to any existing database.	It is less popular than Microsoft Office Access so not many people use it.	
			You don't have do buy	For some people this	

			this but you can get it for free.	could be hard to use because of the extra functions.	accurate.
Internet Explorer	Mozilla Firefox	The main function is that people have wide access to the information they want. The other function is that they can communicate, do a bit of shopping, and it can also be used for entertainment.	It is much quicker and faster than internet explorer.	It is not supported by a small proportion of web sites.	The main difference is that I would be able to gather information and surf the net much quicker than internet explorer.
			It has more security on it because it doesn't let pop ups through at all.	With Mozilla Firefox some websites do not display properly.	
			It has more design and looks better than Internet Explorer.	Fire fox has to be bought separately if it is to be installed in the computer.	
Paint	Paint.net	It works in the same way as paint. But this has extra special features and they work by having a user interface which can automatically know something new directly.	There are different versions for different operating software's.	People could get wrong versions and so they wouldn't work and they would have to buy new ones.	The main difference is that I will be able to get help from the online forums If I did not know how to use it. Also if I make a mistake and I realise after a bit, then I will be able to go to that mistake because there is unlimited undos.
			It has online forums which makes it easy for members to get help from users.	Some people won't understand it because it looks very complicated.	
			There is an unlimited amount of pressing undo.	It doesn't come supplied with computers from before so you have to buy it.	

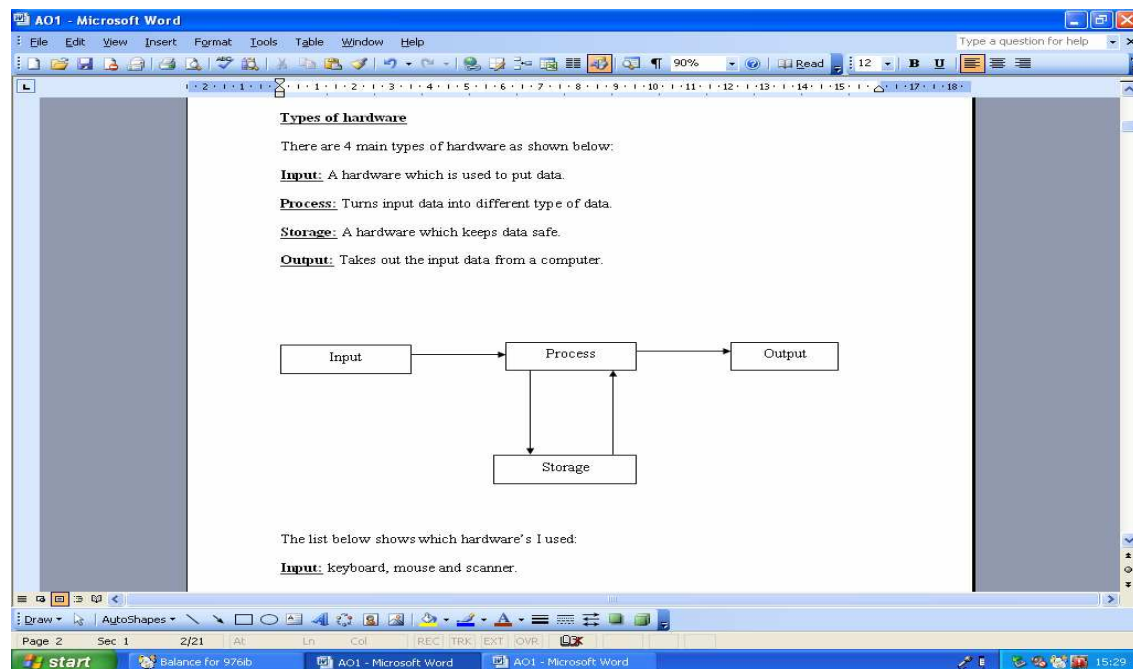
Microsoft Publisher

It is used for creating mainly websites.



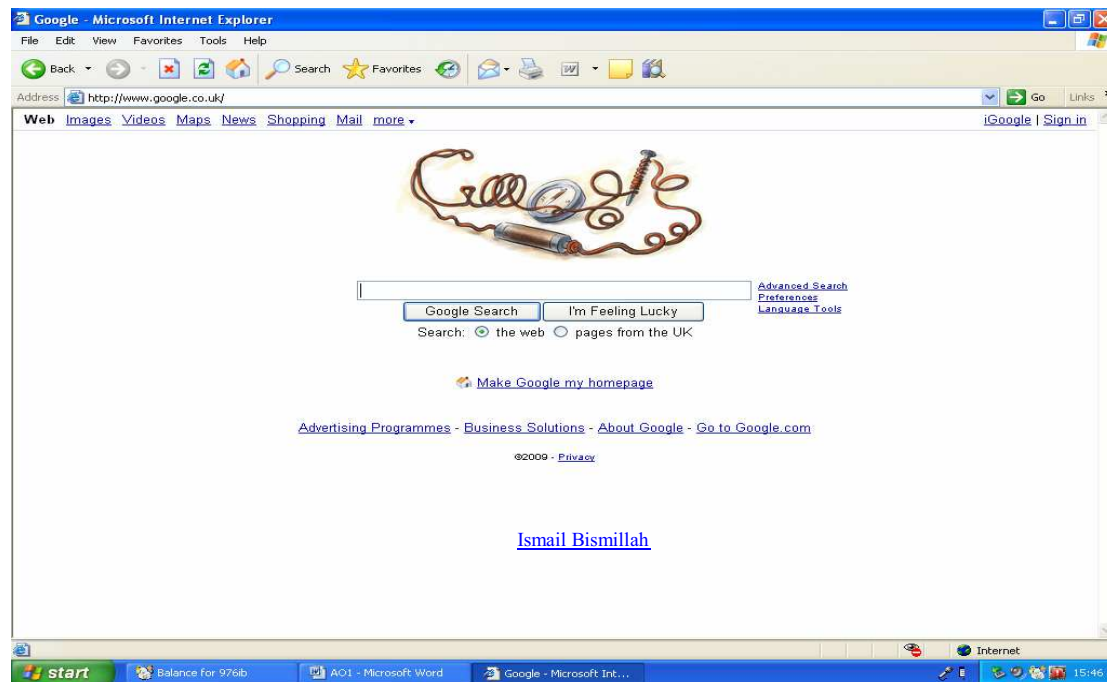
Microsoft Word

It is used for typing in any kind of information.



Internet Explorer

It is used for getting information.



Paint

It is used for creating pictures, drawings, logo E.T.C



Input

These are the input devices I used to make my work easy.

<u>Device</u>	<u>Speed</u>	<u>Errors that can be made</u>	<u>Way to correct errors</u>
Keyboard	The speed of the keyboard is measured in form of words per minute. It depends if you are a fast typist or a slow one.	Many errors can be done whilst typing. For example, when you're typing very quickly, you can press the wrong key which will change the spelling of a word. Also when you're typing numbers you can make mistakes. E.g. if you want to type in 786 and your in a rush you can make mistakes like pressing the wrong numbers.(768)	The way to correct these errors is to type a lot and you will get use to it so much that you wont get any mistakes. Another easier method is to click on "tools" then click on "spelling and grammar". This will show you all the mistakes and you can easily correct it later.
Mouse	The speed of the mouse also is measured in the similar way. (Clicks per minute) It depends if you are fast or slow on using the mouse.	Many errors can also be made whilst using the mouse. The main error that can be made is that when you are in a rush, you can easily click on something wrong which will take you to a different place. Also the mouse can easily slip when you're moving it.	The way to correct these errors is to use a mouse pad which is especially designed/made for mice. Another way to correct this error is to use the mouse a bit slower and not in a rush.
Scanner	The speed of the scanner depends on how much data is being scanned. It also depends on what type of scanner it is.	Errors can be made using the scanner as well. The main error that can be made is that the paper can be put the wrong way (upside down). Also the paper can sometimes be inserted half way inside.	The way to correct these errors is to check carefully which way the paper should be put in. Also the paper should be put in straight and not bent.

Keyboard

I detected errors in my work by using the spelling and grammar checker to check any spelling mistakes and any punctuation mistakes. To correct the errors in my work I would use the proof reader to correct mistakes that are done in my work. To prevent errors from happening, I typed a bit slower and much more carefully and I carried on looking at the screen to see if there were any mistakes I made.

Mouse

I detected errors in my work by checking manually if I made any clicking mistakes. To correct the errors in my work I would check manually and make sure that I would click the right thing if something unwanted had been clicked by going back and clicking the right thing. To prevent errors from happening in my work I would make sure that I would buy a mouse pad so that the mouse doesn't slip and so the wrong thing doesn't be clicked.

Scanner

I detected errors in my work by checking manually if all the information has been scanned and also that it is the right way round but not upside down. To correct the errors in my work I would check manually and make sure that if the data is scanned upside down than I would delete that data and I would then scan the data again by moving the data on the scanner the other way round. To prevent errors from happening in my work I would make sure that the data is the right way round in the first place and also make sure that no part of it is covered up.

Effects of Inaccurate Data

Inaccurate data will affect the system in many ways.

Data	Effect	Way it can be prevented
Spelling mistakes (website)	If spelling mistakes are made then wrong information might be given out and also the customers will think this agency is not a professional one.	To prevent this I spell checker can be used. I can also tell someone to go through it and look at my mistakes.
Hyperlinks not linked correctly	If hyperlinks are not linked properly then the business will become low because when you click on the link it'll send you somewhere else or not take you anywhere.	This can be prevented by checking the hyperlinks properly and making sure there are no mistakes. Also makes sure checking takes place before advertising.

Not changing the colour of hyperlinks	If hyperlinks do not change colour then the customer will not know which site he has been to so he will go on that website repeatedly.	The way this can be sorted out is that when a customer clicks on the hyper link then it should change colour so the customer does not go on it repeatedly.
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The best way to stop all the problems is to keep on checking if you have made mistakes. This way all your mistakes will be sorted out. And there won't be any inaccurate data

Validation

Validation is to make sure that data which is being entered should be reasonable and allowable meaning that it is something possible but it doesn't have to be correct. There are a few different types of validations to help reduce the number of errors made by a user:
Type check, range check, picture or format check, check digit, field length checks etc.

Verification

The validation can be used to make sure that when a user types data in the computer and if there are any errors made in the typing then they are reduced.
For example if a database was going to be made with mistakes like if a 1993 date of birth was typed and was not true, the computer will not take it as an error if it was programmed to let in anything between 1990 and 1994. So the results would be incorrect and full of mistakes. This could also be known as Garbage In, Garbage out (GIGO). So that is why validations are important to help make sure that the user knows if there are any errors that have been made when typing data into the computer but it does not help in telling if the data is true or false.

Output

This table shows the outputs I used.

<u>Device</u>	<u>Type</u>	<u>The way it works</u>	<u>Advantages</u>	<u>Disadvantages</u>	<u>Best place to use it</u>
Printers	Laser	A mirror reflects a beam of laser, and then lays them. A toner is then sprayed onto it. A paper is now pressed onto the toner and is slightly heated so that it sticks firmly on the paper	It prints out very quickly compared to ink-jet and dot-matrix printers	It is the most expensive printer especially the colour lasers.	The best place to use this laser printer is an office because an office requires a large amount of papers printed in small amount of time and with less noise as possible.
			It prints out very fast compared to ink-jet and dot-matrix printers	Because it is so big it takes up more space than ink-jet printers.	
			It has a high quality compared to ink-jet and dot-matrix printers	It is very expensive to repair because of the complex parts inside.	
	Inkjet	These printers use cartridges which contain ink. They operate by heating the ink. The heating process causes a small droplet of ink to form. This is then released which forms part of a letter or image	It is much cheaper than a laser Printer so can be bought by everyone.	At times printing takes ages especially when printing colour images.	The best place to use this kind of printer is the home. Because it is relatively cheap and produces good quality printouts for the value it is. Also a home doesn't need to print out a lot of documents.
			It produces good quality print outs compared to Dot-Matrix Printer.	The ink can easily smudge while it is still wet.	
			It is much faster than Dot-Matrix Printer.	It is much nosier than Laser Printers.	
	Dot-matrix	It doesn't use ink at all; instead it uses pins	Dot-Matrix is the cheapest from the three.	Dot-matrix is the slowest of all the three printers.	The best place to use this printer is in offices
			Dot-matrix can	It has got a very	

		which strike the paper for every single letter it detects.	print continuously without stopping.	poor quality of printing.	like banks because it is very good at printing bills.
			No ink cartridges are needed so no money is spent.	Dot-matrix is the nosiest of all the three printers.	
Monitors	TFT	It works by a pixel that is powered by a charge and so the charge moves to another pixel to power that and eventually every pixel is done and finally they get together to make an image.	Because TFT Monitors are small it takes up less space than CRT Monitors.	Because TFT Monitors are small it is easier to damage than CRT Monitors	The best place to use them are offices because they take up less space and like this more monitors would be able to be put inside the office and also less people would feel hot.
			TFT Monitors are much quieter than CRT Monitors.	It costs much more than a CRT Monitor so not everyone can afford it.	
			It creates much less heat than CRT Monitors.	A few pokes on the screen can cause lasting damage.	
	CRT	It works with an electrical beam which strikes little dots and so these dots get together to create a full image. It works similar to a TFT.	It is very cheap compared to TFT monitors so people can afford them.	It is a bit noisy so for libraries and offices it won't be useful.	The best place to use this is the home because the main thing is that it is cheap to buy and also if children in the house accidentally hit the monitor with something or knock it over it wouldn't get damaged too much
			It can handle a multiple resolution whereas a TFT cant.	It creates to much heat which people don't like.	
			Because it is fatter than TFT monitors, it is harder for the screen to get damaged.	Because it is so fat It needs a lot of room compared to TFT monitor.	

					because it is built large and strong.
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After I looked at the different output devices, my work has not really affected me in any sort of way. However I have used the best possible outputs devices for my task. which helped me a little bit.

Conclusion

The system that I used for this task was the right one because it has all the applications and programs that I needed to do my work successfully and correct with no mistakes or errors.

There is one more hardware that was used for the company. It is shown below.

<u>Name of Hardware</u>	<u>The way it works</u>	<u>The way it will be used by the company</u>
DSL Modem	<p>DSL modems use telephone lines; the reason for it using it is that they have a very high speed connection. This DSL modem is specifically used mainly for the reasons of sending specific signals through telephone lines. When the modem, that sends signals through telephone lines, sends the digital data, its first action is to change this digital data into a signal to help the telephone line recognise it. Then this telephone line has to transport the signal to a modem that has the job of receiving, which then changes this signal back into the form of digital data the computer can use to present to the user.</p>	<p>The way it will be used by the company is that they will sponsor or advertise their travel agency on the internet to help get as much customers as possible. Also to give their latest information about their offers worldwide.</p>

Choosing and Describing Applications = 3
Describing using Hardware = 3
Describing using Software = 3
Characteristics, Benefits, and drawback of each system = 6

Demonstrate use of Input Methods = 1
Comment on their speed, accuracy and validation = 4

Describe your system outputs = 1
Comparing Output devices Alternative outputs and drawbacks to your system= 4