

Hardware

Hardware is any physical thing of a computer that you can touch.



Types of hardware

A computer has four main types of hardware in a computer which is:

Input

An input is a hardware device which is used to store data into the computer.

Process

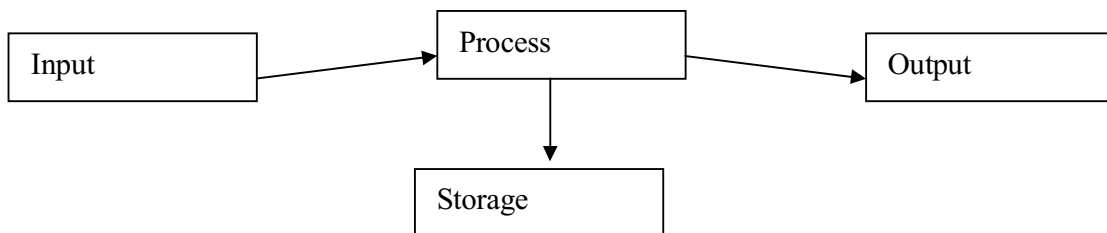
Process is a hardware which manipulates the information in order for you to read it

Storage

Storage is a type of hardware than enables you to save your work or things on your computer.

Output

An output is an hardware that is used to transfer the computer data in forms so you can be able to read it.



There are 9 hardware that I am using, these are the following.

Input

Keyboard, Scanner, mouse

Process

Intel Core Duo Processor (2 GHz)

Storage

RAM, ROM, USB flash drive

Output

Printer and monitor

This table is the hardware that I am going to use and how they work.

<u>Name of device</u>	<u>Price</u>	<u>The way it works</u>	<u>Advantages</u>	<u>Disadvantages</u>
Keyboard	£20	A keyboard is an item that you can touch. It has many different buttons each with different letters, symbols and number. Once you press one of these buttons the central processing unit sends message to the monitor and it appears on your screen and for you to understand.	The advantage of a keyboard is it comes in several types including QWERTY concept.	The disadvantage of a keyboard is that it is portable so you can't take more than a certain distance.
			The other advantage of a keyboard is that it has several buttons on it which are like shortcut for e.g. page up and page down.	Also another disadvantage is that the wires of the keyboard could tangle up or cause a hassle or an accident.
			This keyboard is less complicated than others.	You have to be careful not to damage the buttons.
Mouse	£7	A mouse is a device which you can touch and move around. The way you use it by moving the mouse and an icon on the screen will appear which enables you to go on different things e.g. application.	The advantage of a mouse is that it comes in several types the laser sensor mouse.	The disadvantage of a mouse is that it is not portable so you have to stay close to the computer therefore it might cause problems.
			Another advantage of a mouse that is very easy to control so nearly anyone can use it.	The other disadvantage of a mouse is it can only work well on certain surfaces that are flat not on rough surfaces.
			It is shaped to the size of the hand.	It is not very accurate whilst using.
Scanner	£175	A scanner is made for converting texts, pictures etc into computer format this works by inside the scanner it has a ray of light which shined onto the document and then the light reflects back onto the laser and the scanner	The advantage is that you can save your documents or pictures inside the computer and put them on certain websites that you want.	The disadvantage of the scanner is that the scanner could take up a lot of space on the computer and also make quite a lot mistakes.
			Another advantage is that the scanner especially the flatbed scanner is	The other disadvantage is that the document or the picture could lose of

		transfers onto the computer.	very accurate.	it qualities while processing it.
			It is fast and quick to produce the document.	Space images might lose some quality during scanning
USB flash drive	£5	The way that the USB works is that it is basically an portable extra memory that you can save many things according to its memory capacity	The advantage of an USB is that the memory capacity comes in many size such as 1GB, 2GB, 4GB etc.	The disadvantage of a USB that it can be easily damaged or broken.
			The other advantage of an USB is completely small, light and its portable so you can carry it around everywhere	Another disadvantage of the USB that it doesn't have any particular security and can easily be hacked into.
			It is faster than a disk.	They can get virus inside, so your data inside will be at risk.
Laser printer	£275	The laser printer is used for printing the work that you done on the computer into paper.	The advantage of a laser printer is that they are very quite and produce very high quality print.	The disadvantage of the laser printer is that the cost of the laser printer is a lot more expensive than most printers.
			Another advantage is that it is very quick and sufficient to print.	It is more expensive to repair than the ink-jet printer.
			It is ideal for offices use due to the how quite it is.	The ink cartages is quite expensive.
Hard disk(250GB)	£85	The hard disk is the main part of the computer where all the application is stored as well as data file.	The advantage of a hard disk that you don't lose any data even when you switch off the computer.	The disadvantage is that if the hard disk crashes often then the data can be lost.
			Another advantage is they can store large amount of data.	The hard disk can stop the computer if it crashes.
			Also another advantage is that every single computer comes	Also the computer comes with hard disk fixed and it can be difficult to transfer

			with one which means you don't have to but it separately.	data to another computer.
(CPU) Intel Core Duo Processor(2 GHz)	£200	This is the brain of the computer. In the CPU all of the calculation and sorting out are done here.	It is small so it takes less space.	It is very expensive.
			It is very fast because it carries millions instruction per second.	Not as fast as a 5GHz.
			Used in most common computers.	Easy to find in most computer shop.
TFT monitor	£110	A monitor is a screen that reads the/ receives messages from the computer and puts it into such a form that is understandable.	The advantage of a TFT monitor is that it makes a lot less noise so it is not disturbing when you work.	The disadvantage of a TFT monitor is that it is more expensive than the CRT monitor.
			Another advantage is that it takes up less room and also causes less heat.	Also another disadvantage is that the screen or the whole monitor can easily get damaged,
			Also it gives the best quality.	Also the speakers are not very loud on the TFT.
1GB RAM	£90	A RAM is a type of chip that which stores the memory as long as the computer is switches on and it is used to go onto different application.	The advantage is that it can be used for back up memory.	The disadvantage is that if you open too much application than the computer can slow down a lot.
			Another advantage is that you can changed the RAM so you can upgrade it.	The other disadvantage is that if your RAM is full up then it crashes and you haven't saved your work then all your work is lost.
			1GB is suitable for a normal computer.	1 GB can be access less work at a time than a 2 GB.

Alternatives

This table is for some the hardware and there alternative also there advantage and disadvantage.

<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>
TFT monitor	CRT monitor	The way it works is that a screen that receives messages from the computer and puts it into such a form that is we can understand it.	The advantage of a TFT is that takes up less space in your room/ or on a desk.	The disadvantage is that the screen is more fragile than the CRT monitor.	The difference that it would make to use this that is you use the TFT monitor then is would disturb you less and create less heat in the room therefore it would be better to use the TFT monitor.
			Another advantage is that it causes less heat and less noise so you can concentrate more.	Another disadvantage of the TFT monitor is that is more expensive than the CRT monitor.	
			Another advantage is that the quality of the picture is of a high standard.	It is quite hard to set up.	
Ink-Jet printer	Laser printer	The way it works is that when you press a certain button then the motherboard sends messages to the printer to print an exact or	The advantage of a ink-jet printer is that it is more much cheaper than the laser printer and the ink cartridges	The disadvantage of ink-jet printer is that it is nosier than the laser printer and the colour printing can still	The difference it would make is that the laser printer might cost more but it is worth it

		almost exact copy want you wanted on paper. The way it does is by it drops extremely small droplets of ink onto the paper to create an image.	are also cheaper than the laser printer.	smudge after it has been printed.	since it much better printing quality and it is much faster and also it would make less noise so it won't disturb others.
			Another advantage of a ink-jet printer is that it is more compact than the laser printer and it is also quite fast compare to the dox-matrix printer.	Also another disadvantage is that the colour printing can be very slow at printing than the laser printer and if you don't us the ink-jet printer in a while than the ink could get dried up.	
			It is ideal for home.	It is ideal for home.	
Wireless Keyboard	Keyboard	The way it works is that if you press any of these buttons immediately it sends it to the motherboard and it processes it and it appears on your screen which is understandable for you.	The advantage of a wireless keyboard is that you can take it literally anywhere you want, also you don't have to stay close up to the computer rather you can stay on your bed. This is very good because it prevents you from having the disease RSI.	The disadvantage if a wireless keyboard is that it is more expensive than the wired keyboard, also some keyboard need battery to make them work and too much typing can lead to the disease called R.S.I.	The difference it would make if you use the wireless keyboard is that you are less likely to get the disease R.S.I and also wherever you are you can take it with you or you can sit away from the computer desk and with ease type on the sofa or the bed.
			Another	Another	

			advantage is that it is wireless so it doesn't have any wires therefore it won't get tangled up and be a mean to cause you hassle and it lowers the chance of having an accident due to that wire.	disadvantage is that if you don't know how to touch type then it can be time consuming to look and often disable (old people) people can be quite difficult for them to use the keyboard and if the keyboard is not placed on a smooth surface then it can be difficult to type.	
			It saves a lot of space on the computer.	You can have commotion problems.	
2 GHz processor	3 GHz processor	The way it works is that when all the needs to be processed then this is the place where it gets processed.	Easy to get as it can be bought at any computer shop.	Hard for a new computer user to use as it is a very complicated piece of material.	I don't need to worry about anything because 2GHz is average at processing.
			This processor is a lot faster than the one before it.	This processor is slow compared to a newer updated processor.	
			It is inside the computer so it doesn't take much room.	Can be very expensive which a problem for replacement is.	
Optical mouse	Wireless mouse	When the user moves the mouse, the laser underneath moves causing the arrow (cursor) to move	Because of the mouse being wireless you can use it from a longer distance.	Because it is not wired it can easily get lost compared to optical mouse.	The main difference it would make if I used it is that I can use the mouse it from a longer distance.
			Because of	It is more	

			the laser at the bottom it can work on any surface.	expensive compared to a optical mouse.	
			The laser at the bottom provides it to be more faster and more sensitive	It might have problems working on rough surfaces.	
2GB USB flash drive	4GB USB flash drive	It receives data from the computer and then installs data safely onto the USB memory which you can carry around with you.	Because of the USB flash drive being small, it is easy to carry around (portable).	The disadvantage of a USB is that if an amount of water enters then the device can get messed up.	The main difference it would make if I used it is that I can put more documents compared to 2GB USB.
			The device is an extension to your computers memory so you can store more data.	The USB device is very small, which makes losing the flash drive very easy.	
			The USB allows you to carry information from one computer to another.	Sometimes the can be small and fragile and can be broken easily.	
Flatbed scanner	Drum scanner	This works the document is placed on a glass inside it then the lid is shut after that a small scanning sensor moves back and forth and scans the document	The advantage of a flatbed scanner is that it is quite cheap and it produces medium quality.	The disadvantage of a flatbed is that flatbeds require that you install a separate SCSI controller card inside your computer.	The difference that the drum scanner would make is that it might be more expensive but it is the most advanced scanner and

					it produces the best quality of work.
			Another advantage is that the flatbed scanner is very good for scanning from magazines or lots of pages to scroll.	More expensive than a other scanner.	
			Fragile parts can be measured and there is no worry for offset.	Another disadvantage is that poor machine calibration can result in interference causing loss of resolution, blank spots etc.	
Wired speakers	Wireless speakers	This works by the computer sends sound messages to the speakers and speakers play the sound out loud to your own choice.	The advantage of a wired speaker is the it hard to lose the speaker.	The disadvantage of a speaker is that the wires can tangle and it someone can trip over and it can cause an accident.	The difference of a wireless speaker would make is that it might take batteries but then no one it can't cause any hassle and then you can take with you.
			Another advantage of a speaker is that it doesn't need any batteries	Another disadvantage is that it isn't portable.	
			Also the other advantage that it is cheap compared to	The wires take up space on the desk.	

			wireless speaker.		
250GB Hard drive	500GB Hard drive	500GB hard disk works the same as a 250GB hard disk but the only difference is that it has more memory and works faster due to is thing.	More space than other hard drives.	There is less space than other hard drives	The 500GB hard drive is much better than a 250GB hard drive because the computer will become much more faster.
			The computer will be more faster with higher memory.	The 500GB is more expensive than a 250GB.	
			Less chance of the hard drive erupting due to its memory	You cannot take the hard drive out of the computer anymore.	

Software

Software is something that runs on our computer which makes it work. Without a software then your computer can't work.

There are two main types of software: Operating software and Application software.

Operating Software (O.S)

Operating software is a programme that allows application software communicates with hardware; here are few of operating software: Window Vista, Window XP, Unix etc.

Application Software

Application software is a programme that lets you create graphs, letters etc. Application can be classed into three main categories.

There are two types of operating software that makes your computer run, these are GUI (graphical user interface) and CLI (command line interface)

1. CLI – CLI stands for command line interface.
2. GUI – GUI stands for graphical user interface.

Type of O.S	The Main Functions	Advantages	Disadvantages
GUI	GUI is something that allows us to interact with the computer, e.g.	The advantages of a GUI are it can catch other people attention because it is colourful	The disadvantages of a GUI are that it can be very slow to open application up.
		It is very easy to use.	The other disadvantages are that it can take a lot of space in your computer memory.
		In most computers they use GUI.	Bloated software can waste memory, and reduce the performance of an application.
CLI	The CLI is something that when you enter commands it brings it promptly.	The advantages of a CLI are that a computer that only uses CLI takes a lot less computer resources.	The disadvantage of a CLI is that the screen is black or it has no colour in it therefore it can disturb a person whilst doing his work.
		The speed of a CLI that it works at is much faster than a advanced GUI.	The other disadvantage of a CLI is that if you type in a word wrong then you have to type the whole thing again therefore

			more time wasting.
		It is easy to integrate with scripting, and other programmatic interfaces.	Much harder to use than GUI.

The operating system I used is the GUI because it has colours and it very easy to use.

The difference that the window vista would make is that is would have more upgrades, the internet would be faster and that it would have the latest things would be on vista and would be faster. If you use an old window then the speed would much slower and it would crash more often.

If I used CLI then the computer would be faster but then it has no colour and when people do their work it puts them off and also if you make one spelling mistake then you have to type the whole thing again therefore more time wasting.

Application Software

1. List all the applications that you used

Microsoft Word
Microsoft Access
Internet explorer
Paint

This table shows the application that I am going to use the main function and their advantage and disadvantage.

<u>Name of Application</u>	<u>Price</u>	<u>Main Functions</u>	<u>Advantages</u>	<u>Disadvantages</u>
Microsoft word (2003)	£40	The main use of this is that you can you can write things and also create things.	The advantage of Microsoft is that you can do a publish your in various ways.	The disadvantage of Microsoft word is that it takes quite a lot of space.
			Another advantage is that you can you can do your in such a way that it fit you best.	It is not ideal to use tables in this application.
			There is more shortcut than its alternative (word pad).	It doesn't have too many tools such as, shade etc.
Microsoft access	£30	The main use of access is for creating switchboard and web pages.	The advantages of Microsoft access is that there are so many ways of creating a switchboard and you can choose any way you like.	The disadvantage is that you have to pay for this software and expensive.
			It has been created for making database so if you make a database on it then it will be professional also it will be easier because it will have all the application you need to make a good database.	It takes a lot of space on your memory.
			It lets you enter unlimited amount of data.	When you want to log out or something then you have to take procedures to before you log out.
Internet explorer	Free	Provides you to go on the net and lets you go on loads of websites.	The advantage is that it easy to use.	The disadvantage is that if you upload a lot of application at a time then it can

	with every computer			go slow.
			It lets you find out the latest things and updates.	You need to pay for this application.
			You can communicate with your friends all over the world.	It can also download virus and crash your computer down.
Paint	Free with every computer	The main use of paint is that you can create drawing on the computer and you can also design stuff as well.	The advantage of paint is that you can actually draw your picture.	The disadvantage of paint is that your drawing isn't accurate if you have a steady hand.
			It is very easy and straight forward to use.	You cannot use it in any advanced data.
			Every one can use paint to create anything.	Some people may find it very childish and might not like it.

Alternatives

This table is about the application I am going to use and the alternative application I am going to use.

<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 word	Notepad	The way it works is that it is special application that enables to write things and also you can write your work in such way that suits you best.	The advantage of Microsoft is that you can do a publish your in various ways.	The disadvantage of Microsoft word is that it takes quite a lot of space.	The difference that it would make to use Microsoft word it would be much easier, better and more sufficient.
			Another advantage is that you can do your in such a way that it fit you best.	The thing bad about notepad is that the entire font has to be the same type of font.	
			Notepad takes very little space.	You cannot put pictures in notepad which makes it look bad.	
Microsoft access	Open office base	The way it works is for creating switchboard and web pages.	The advantages of Microsoft access is that there are so many ways of creating a switchboard and you can choose any way you like.	The disadvantage of a Microsoft access is that it is made for small business and not for big business.	The difference that it would make to use Microsoft access it would be much easier, better and more sufficient.
			It is very fast and reliable.	It takes up a lot of memory.	
			It is very easy and straight forward.	Office has fewer tools than access and less professional.	
Internet explorer	Mozilla Firefox	This works by You clicking on the application then a page should appear on	Mozilla Firefox is very fast compared to internet explorer.	It is more expensive than internet explorer because it is better than it.	Mozilla Firefox is much better than internet explorer

		the screen and you can go on any website you want.	There is less chance you will get a virus when you download things.	Mozilla Firefox takes time to load on websites that have viruses.	because it is the latest application out and though it takes more space on your memory but it is more secure.
			It is more secure than internet explorer.	Mozilla Firefox is more complicated because less tools.	
Paint	Adobe Photoshop	The main use of Paint is that you can create drawing on the computer and you can also design stuff as well.	Paint is very simple and straight forward.	The disadvantage of paint is that your drawing isn't accurate if you have a steady hand.	The difference it would make if I used paint is that it would be easy and also it comes free on the computer.
			Paint can be used by anyone even children.	Another disadvantage is that people might think that paint is not suitable for them due to its childishness.	
			Paint already comes with the computer.	Also It is slow to use and the file document for paint looks too childish and also pictures cannot be uploaded on database.	

Input

The input devices that I am going to use are keyboard, mouse and scanner because these help me to create a database.

<u>Device</u>	<u>Speed</u>	<u>Errors that can be made</u>	<u>Way to correct errors</u>
Keyboard	The keyboard doesn't actually have a speed that it works it depends on how the fast the typist is.	The errors that can be made is that when someone is typing too fast or normally then they can press the wrong buttons and then the word becomes the wrong spelling which can lead to problems such as, if you spell the name wrong then the ticket can be addressed to the wrong person and also if you enter the address wrong then the ticket will be sent to a different address. This will cause a lot of hassle.	The ways to correct this is asking the customer what he has said and to reassure that he has said the right things and if the customer has said a letter then you can use phonetics like "a" for "apple."
Mouse	The speed of the mouse depends on how fast the user actually moves the mouse.	The errors that can be made with a mouse is that you click on the wrong thing and this could also lead to a lot of difficulties because if someone booking a ticket to a certain place then if an employee clicks on the wrong place or the wrong time it will cause a lot of havoc.	The ways to prevent these mistakes is by when the employee is talking to a customer then he should double check that what he is clicking also another way you can prevent these thing is by having shortcuts and switchboard so that there is less chance of clicking the wrong thing.
Scanner	The speed of the scanner depends on how powerful the scanner is like if it is powerful then the scanner will be quick for scanning.	The errors that can be made on a scanner is that if someone is accidentally put the paper the wrong way round then the picture that appears on the screen will be also the wrong way round this	The ways to prevent this is by double checking first if the paper is the right way round and that the lit of the scanner is shut properly and to see if you have typed in the right settings and that

		will be trouble for the company because if their logo is the wrong way round then the they will put their logo up and when they do that the customer will see that the company is not professionally trained and then customers might not join the company.	you give the scanner enough time to scan.
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Keyboard

To detect errors in my work I used spelling and grammar checker, which showed me the errors that I had made in my work. I also proof read the work to make sure there were no errors.

To correct errors in my work I used spelling and grammar checker which gave me suggestions for my errors. I corrected some errors manually by reading through the work and then correcting the errors and I also right-clicked on the mistake and chose from the matching/possible spellings.

To prevent errors from happening in my work I checked and read everything whilst typing to make sure no errors were being made. To prevent any errors in typing I used the validation technique to ensure that the data entered was valid. I also used drop down boxes to limit the search to make it easier to find the data.

Mouse

To detect errors in my work I checked that there were no extra/unwanted lines or marking made and that no other program or tool was clicked besides the one that I wanted. I corrected the errors in my work by using the eraser to erase unwanted lines or markings and I closed the program that had opened accidentally and opened the one that I needed for my work. To prevent errors from happening in my work I drew everything carefully and slowly and did the drawing step by step to make sure no unwanted markings/lines were made. I also clicked items carefully to make sure that no other programs or tools were opened or clicked. I also used specific buttons to automatically draw a proper line or to direct me exactly to the location I wanted to reach.

Scanner

To detect errors in my work I used spelling and grammar checker and proof read the work to make sure there were no errors. I also checked that the scanned image/text was exactly the same way around as the original piece. To correct errors in my work I used spelling and grammar checker to correct the mistakes and rotated the image/text back to its original form if it had been scanned up side down. To prevent errors from happening in my work I made sure that the paper was put the right way around on the scanner glass and the cover was closed properly to prevent smudging of letters.

Effects of Inaccurate Data

If you have inaccurate data it will affect your system and may lead to customer leaving.

Data	Effect	Way it can be prevented
Name spelt incorrectly	The ticket could be given to the wrong person or else when the person calls in to book another flight the customer will be told that the staff member could not find his/her account this will result in wasting further time as employees will have to either create a new account or ask for further details. If the customer discovers that the company is not very professional as they make a lot of mistakes then this can result in the company losing important members and customers.	The ways this problem can be prevented is that when the customer phones in, when the employee is speaking to the customer and the customer tells him his detail then when he says something the employee can use phonetics e.g. "a" for "apple" or other than that the employee can use headphones to hear the customer more clearly or use a webcam to see the actual customer and there will be less chance of the employee to make a mistake and these are they way it can be prevented.
Address not correct, such as postcode	The effect of the address not being type in correct is a great thing because when the company sends the ticket to the wrong household then when the customer asks when the ticket is going to arrive then there will be confusion and argument and by this the customer might leave or the will further wasted time by making a new one.	The way to prevent this problem is that when the customer tells his detail and when the employee hears then there should be validation and verification then there will be less chance of misconception.
Recommendations not checked correctly	If the recommendation is not entered properly then what the customer would have wanted on the flight will not be there and if it is a old person that requires space then if the company entered the wrong recommendation then it will cause the old person a lot of trouble.	To prevent the wrong recommendation then the company could put the right input mask in then there will be less chance of the recommendation being type incorrectly.
Gender not entered correctly	If the gender is not entered in properly then when they are boarding or in the airport	To prevent this type of mistake then the company should put validation and

	then there will think that the customer will be trying to fraud his passport and this will cause a great hassle. Also if the gender is entered wrong it can cause the customer a lot of embarrassment.	verification and make it only they can enter the words “male” or “female” and by doing this will reduce the chance of making a mistake in writing whether male or female.
Date of birth not entered in correct format	The problem if the date of birth is not typed correctly then when the customer goes to the airport it could be very embarrassing and after the customer might chose to leave the company.	To prevent this mistake the company when making the database they could put in the right ‘Input Mask’ and the right data type.
Subscriptions not entered in correct format	If the subscription is entered incorrectly then if like a fat person asked for 2 seats then if they get it wrong then when the fat person goes in the plane then it will cause him a lot of hassle.	To prevent this mistake then the company should put in the correct input mask and the right data type and also use phonetics and this will lower the chance of making a mistake.

The best method of getting the most accurate information is to re-check with the customers.

Validation

When someone is entering data into something it is very vital for you to enter it correctly. This is why validation comes in. The actual meaning of validation is to make sure the data is allowable like when you get a database and when it says enter gender and if you enter something besides “male” or “female” then it does not allow you this what validation it. I need validation for my database because when someone uses it then there is less chance that someone will make an error this is why I going to use validation.

Verification

(It was mentioned earlier that validation cannot make sure data that you enter is correct, it can only check that it is sensible, reasonable and allowable. However, it is important that the data in your database is as accurate as possible. Verification can be used to help make sure that the data in your database contains as few mistakes as possible.) This is from [Teach me ICT](#). Com by this you can see that when verification is the like the second step of validation that make sure that you most likely not to get a mistake and lowers the chance to get a mistake.

Output

This table is the output devices that I am going to use.

<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>
Printer	Laser	The laser printer is used for printing the work that you done on the computer into paper.	The advantage of a laser printer is that they are very quite and produce very high quality print.	The disadvantage of the laser printer is that the cost of the laser printer is a lot more expensive than other printers such as inkjet and Dot-matrix.	The best place to use this is a office since it is very quite and it is very fast so it is much faster and it will be suitable for an office.
			Another advantage is that it is very quick and sufficient to print.	It is more expensive to repair than the ink-jet printer.	
			Also the laser printer produces work very smoothly.	Also another disadvantage of a Laser printer is that the ink-cartridges cost more than a normal printer.	
	Inkjet	The way it works is that when you press a certain button then the motherboard sends messages to the printer to print an exact or almost exact copy want you wanted on paper. The way it does is by it drops extremely small droplets of ink onto the paper to create an image.	The advantage of a ink-jet printer is that it is more much cheaper than the laser printer and the ink cartridges are also cheaper than the laser printer.	The disadvantage of an ink-jet printer is that it is nosier than the laser printer and the colour printing can still smudge after it has been printed.	The best place to use this is in your house or school because it is quite noisy but also it is quite cheap as well so it good to use in your house and it produces good quality work.
			Another advantage of an ink-jet printer is that it is more compact than the laser printer and it is also quite fast compare to the dot-matrix printer.	Also another disadvantage is that the colour printing can be very slow at printing than the laser printer and if you don't us the ink-jet printer in a while than the ink could get dried up	
			Also the inkjet printer most homes and school have because it is decent and efficient because it produces good	Also the inkjet printers cost of printout pages are more expensive than a laser printer.	

	Dot-matrix	The dot-matrix is an old fashion type of printer which has the letters on each pi and when pressed in imprints the letter into the paper.	quality work.		
			The advantage of a dot-matrix is that the printer is versatile which means you can change if the you want the writing in italic or in bold.	The disadvantage of a dot matrix is that it is very slow and it takes it time to print and for printing pictures it is very inaccurate.	There best place to use it is probably a factory because it bad quality of printing and the amount of time it takes to print. Also you cannot print out colour copies but it is best to use it in a garage or a factory because it doesn't need fantastic type of document.
			Another advantage is that the dot-matrix printer it is very cheap.	Another disadvantage is that it cannot produce a colour print which means that for companies it is very bad.	
			Also the dot-matrix can work very well in bad condition such as in a garage or a factory.	Also another disadvantage is that the printing quality is very poor standard and it is not suitable to give important printed documents to managers or customers.	
Monitor	TFT	The way it works is that a screen that receives messages from the computer and puts it into such a form that is we can understand it.	The advantage of a TFT is that takes up less space in your room/ or on a desk.	The disadvantage is that the screen is more fragile than the CRT monitor.	The best place to use this is in offices because in a offices you need all the space you can get and since this is faster, better and smaller the office will obviously use this one.
			Another advantage is that it causes less heat and less noise so you can concentrate more.	Another disadvantage of the TFT monitor is that is more expensive than the CRT monitor.	
			Also it has high quality graphics so you can see everything clear and good graphics.	Also the TFT is quite hard to setup and for beginners it will be quite difficult for them to setup.	
	CRT	The way it works is that a screen that receives	The advantage of a CRT is that because of it size it is quite difficult to damage it.	The disadvantage is that it takes up too much space on your desk.	The best place to use this is in primary schools

		messages from the computer and puts it into such a form that is we can understand it.	Another advantage is that it is now very cheap.	The disadvantage of a CRT is that it makes quite a lot of noise so when someone is working it can disturb them easily.	because the children cannot damage the CRT because of its size and it will be very suitable for them.
			Also some school use them because it is hard to damage and children will not be able to damage it that much.	Also another disadvantage is that if it is in a office, because it makes quite a lot of heat them room will become hot quite easily.	

After I had been looking at the output devices my work hasn't actually been affected that much but I have used the best output devices that I can and the devices I was used very good and I can now do my work easily.

Conclusion

<u>Name of Hardware</u>	<u>The way it works</u>	<u>The way it will be used by the company</u>
Headphones	The system sends the sound through the wire and to the headphone so you can hear	The company will use this when there are a lot of customers and they will have used it when they are talking to the customers.
Web-cam	With a web-cam you can see the person who you are talking to and it is a customer then it is better because you can see them also you can talk to your friends all over the world.	The way the company might use this to communicate with the customer and it will be easier.

The system that I used was the right one for this task because I was able to do my work quickly, and efficiently, and I think the company would need one more hardware, which is a headphone for every employee so when they talk to the customers it would be more easier to talk and type.

Also, all the hardware I used was the right one as it made me finish my task on time, and it was the right, or quicker time to finish on.. Also I do not think I will need anymore other hard wares because I used the most appropriate hard ware that I can.

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