

Case Study Assignment: Purchasing a Computer

Problem - Based upon the computer needs of a person interviewed, determine the best computer to purchase.

Interviewee's Full Name: Maureen Mmayie

Interview Questions	Responses
How much time do you spend on the computer a day?	30 minutes
What do you do with your computer?	Surf the web, Projects, documents, store photos
What apps do you use most on it?	Bible, facebook, Instagram etc
Do you watch movies on it?	Yes
Do you move around with your computer or are you stationary?	Move around
What do you mostly like about your computer?	It's fast

Component Definitions Table

Component	Definition
1. Processor	A machine that processes something
2. Operating System	The software that supports a computer's basic function
3. Memory	The power or process of remembering what has been learned
4. Hard Drive	A high capacity, self contained storage containing a read-write mechanism plus one or more hard disks inside a sealed unit
5. Optical Drive	Disk drive that uses laser light or electromagnetics within or near the visible light spectrum as part of the process of reading data to or from optical discs
6. Monitor	An instrument or device used for observing, checking or keeping a continuous record of a process or quantity
7. Video Card	a printed circuit board controlling output to a display screen
8. Sound Card	A device that can be slotted in a computer to allow the use of

	audio components for multimedia applications
9. Speakers	Are speakers external to a computer that disable the lower fidelity built in speakers
10. Keyboard	A panel of keys that operates a computer or typewriter.
11. Mouse	A hand held device that is moved about on a flat surface to direct the cursor on a computer screen
12. Modem	A combined device for modulation and demodulation, for example, between the digital data of a computer and the analog signal of a telephone line

Computer Comparison Chart

Computer Components	Apple 2013 MacBook air	Dell inspiron 3000	Hp 14z laptop
	 Specifications	 Specifications	 Specifications
Laptop, desktop, chromebook or other	Laptop	Laptop	Laptop
Processor (CPU)	dual-core intel core	Intel celeron processor (dual core)	amd dual-core processor
Operating System	EL Capitan	windows 10 home	windows 10 home
Memory (RAM)	8GB	2GB	2GB
Hard Drive (Storage)	128GB	32GB	500GB
Optical Drive			
Monitor or Screen Size	13 inch	14 inch	14 inch
Video Card	High definition	Intel video card	AMD Radeon (™) R2 graphics
Sound Card	Yes	Yes	DTS Studio Sound(™)

Other Accessories:	Mini display port	Web cam	Web cam
	4G USB modem		multi-format SD media card reader
	Flash media reader		
Cost	\$999	\$279.99	\$259.99

Final Recommendation

We would recommend Hp 14z

Explanation

They were less costly and portable and decided on the Hp 14z because it's cheaper

Computer Hygiene

- Keep things properly updated
- Protect it from viruses
- Remove unnecessary programs
- Scan and remove malware
- Clean out your hardware
- Back up important files

Learning Reflections

Awele Mmayie

The goal of this assignment was to find the best laptop for our consumer

- The amount of storage needed for certain things
- The prices of laptops varies.
- Operating systems varies

There were no challenges

Thomas Wilkinson

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RESOURCES:

Parts of a Computer-

<http://www.carnegiecyberacademy.com/facultyPages/computer/computers.html>

Grading Rubric:

Do you have?	Points Possible	Yes	No	Points Earned
Product				
Title with group members' names	5			
Interview scenario is described	10			
Computer comparison chart with at least 4 options	10			
Chart has specifications of options	5			
Options on chart fit your scenario	10			
Show justification for your computer choice	10			
Your choice fits the scenario	10			
Visuals of your choices (pictures or video of choices)	10			
Computer Components Checklist	5			
Presentation				
Present all required parts of project	10			
All group members participate	5			
Able to answer questions	10			
Extra Credit				
Project exhibits creativity above and beyond	Up to 10			
TOTAL:	100 + 10			