



Group Members

Member 1:

Section:

Member 2:

Member 3:

2.0 Supplementary Activity 2 – Assemble Your Own PC Parts List

Hello Class, during this Supplementary Activity, we would get the opportunity to put together a theoretical computer system by assembling a virtual PC parts list, considering the compatibility and price of the components. It does have its up-side, which is the use of "circa 2023" components and "you can't blow up anything if you are watching a video".

For this Supplementary Activity, we have selected a really good instructional video from YouTube for you to watch. Remember to take note of the various specific components that **Paul's Hardware** (the YouTube Channel) chooses, as well as the reasoning and alternatives that he provides for choosing those components. This is actually a 4-part series, however we are only focusing on the hardware portion of building a PC for now. Here are the links below:

[Part 1 – How To Build a PC in 2023: The Basics | Paul's Hardware](#)

[Part 2 – How To Build a Gaming PC in 2023 for \\$900 | Paul's Hardware](#)

[Part 3 – How To Build a \\$3000-\\$5000 High-End Gaming PC | Paul's Hardware](#)

Based on the PC build you just watched, the first task for your group, is to come up with an equivalent or somewhat similar PC using [PCPartPicker](#), which is a website that provides computer part selection, compatibility, and pricing guide for DIY computer builders using their **System Builder**. This allows you to simulate different computer builds for every kind of user, however you need to take note that not all components have a corresponding price or vendor, thus you may need to look at other sources for the other components. Don't forget to register for a free account, so that you can save your builds, afterwards, fill the following information below:

Save your build and put the link here:

Component	Selected Part	Quantity	Price in Php
CPU			
CPU Cooler			
Motherboard			
Computer Case			
Memory/RAM			
Storage 1			
Storage 2			
Power Supply			
Graphics Card			
Cable Extensions			
Computer Case Fans			
Total Price:			<input type="text"/>

The next task of your group is to come up with an "*equivalent*" or somewhat similar PC, but this time, using locally sourced components, at the "*lowest reasonable total price*" in Php so that the price is not too far off from what you can "window shop" here. You may need to canvas from various available information from suppliers that have put up their price lists. Note that components from *Lazada* or *Shopee* are not recommended since the prices there would easily fluctuate, unless it comes from an accredited vendor or store. Here are some local websites that you can use as an example, as well as suppliers that you can use for your reference. Remember to indicate the part and the reference link.

Supplier/Vendor	Website
PC Express	https://pcx.com.ph/price-lists/
PC Hub	http://pchubpricelist.online/
VillMan Computers	https://villman.com/
Asianic	https://www.asianic.com.ph/
DynaQuest PC	https://dynaquestpc.com/
Tipid PC	https://tipidpc.com/

"*Equivalent*" in the context of this task, is to look for "reasonably similar" components with regards to performance and/or specifications, that can be found or purchased within the country. You may substitute components for reasons such as due to a specific part has the same performance, but is offered by a different manufacturer at a lower price, etc. Note that if you would substitute any component, you would also need to provide a reason or justification for doing so.

Save your build and put the link here:

Component	Selected Part	Quantity	Price in Php
CPU			
Reference Link:			
CPU Cooler			
Reference Link:			
Motherboard			
Reference Link:			
Computer Case			
Reference Link:			
Memory/RAM			
Reference Link:			
Storage 1			
Reference Link:			
Storage 2			
Reference Link:			
Power Supply			
Reference Link:			
Graphics Card			
Reference Link:			
Computer Case Fans			
Reference Link:			
Total Price:			

After completing the second task of looking for locally sourced components, provide a short introduction of your build as well as your justification. You can include discussions and information with regards to the components as well as if your group decided to "deviate" from the original components in the provided videos. Use the space provided below:

With all the tasks given to your group for this Supplementary Activity, can you summarize your learnings and findings by providing a Conclusion. The Conclusion may discuss some realizations such as with regards to prices from stores abroad in comparison to local stores, difficulty of canvassing for components, understanding what each component does, determining viable specifications with regards to possible user requirements and so on. Use the space provided below:

After completing the activity, don't forget to export the **PCPartPicker** webpages of the first and second builds as PDF, then attach/merge them in this Laboratory Activity as additional pages. You can also go ahead and take screenshots from the webpages where you got the specifications and prices, just to be sure that the price has not changed suddenly.

PS: As you may know, "*cheapest*" is not necessarily good! An example is the PC's power supply—some of them have totally FAKE power ratings, and can even blow up when pushed anywhere near their specifications:

<http://www.johnnylucky.org/power-supplies/psu-lemon-list.html>

Have fun!