Assignment 3: Luis Monzón

PC GAMING: **how is a computer for work, we will be focusing on high end builds for the PC.**

# GAMING:

## CPU for gaming:

* Name: Intel Core i5-10600K - Procesador 4,10 GHz; Casquillo LGA1200; 125 W
* Reference: <https://www.amazon.es/Intel-Core-i5-10600K-Procesador-Casquillo/dp/B0883NTLXM/ref=sr_1_3?adgrpid=103749845920&dchild=1&gclid=Cj0KCQiAzZL-BRDnARIsAPCJs73juRUj3dcJGPCcA2cI8pKueVtvl4wfyHbEI6xl4hEh6xbsh0NcxvIaAnAtEALw_wcB&hvadid=435710158745&hvdev=c&hvlocphy=1005495&hvnetw=g&hvqmt=b&hvrand=9575430924042129069&hvtargid=kwd-908576623345&hydadcr=13813_1830151&keywords=intel+core+i5-10600k&qid=1606749176&sr=8-3&tag=hydes-21>
* Prize: 269 euros.
* Intel is generally better for gaming, because the speed in 1 nucleo is better than AMD, and for that, usually this type of processor are better for gaming pc.



## GPU for gaming:

* Name: RTX 3070
* Reference: <https://www.amazon.es/s?k=rtx+3070&__mk_es_ES=%C3%85M%C3%85%C5%BD%C3%95%C3%91&crid=RRNNHJTQC3WC&sprefix=rtx+%2Caps%2C176&ref=nb_sb_ss_ts-a-p_1_4> Theres a lot of diferent brands that produce the RTX 3070, because the manufacture produces a Kit, and 3 parties brands make his owns disegns, with diferent types of fans and diferents ratios for the clock speed.
* Prize: Starting on 600 euros.
* Nvidia has the better graphic cards on the market and the best drivers for every game out. This model is some of the last to drop on the market.



## Motherboard:

* MSI MPG Z490 Gaming Plus ( this motherboard is good for the price, has the backup of a good company like MSI and the option for a later upgrade).
* Reference: <https://www.amazon.es/MSI-Gaming-Performance-Socket-Ranura/dp/B0886QSX7N/ref=sr_1_5?__mk_es_ES=%C3%85M%C3%85%C5%BD%C3%95%C3%91&crid=3CV2GBLV1AUHO&dchild=1&keywords=msi+z490+gaming+plus&qid=1606749857&sprefix=MSI+z490%2Caps%2C166&sr=8-5>
* Prize: 170 euros.



Memory: there are to types of memory: Volatile or Non Volatile: RAM and Hard drive

* **RAM:** DDR4 3200 CL16 2x8GB = 16GB (3200 is the clock speed of the ram , CL16 is refered to the RAM latency and 16 GB is the minimal option for gaming nowadays, because some games could be big).
* RAM: Viper Steel: 70 $ (Prize)
* Reference: <https://www.amazon.es/Patriot-Memory-16GB-3200MHz-m%C3%B3dulo/dp/B016A29PWA/ref=sr_1_7?__mk_es_ES=%C3%85M%C3%85%C5%BD%C3%95%C3%91&dchild=1&keywords=viper+steel+ddr4+3200+16&qid=1606750095&sr=8-7>



* **Storage:** HDD 2TB + M.2 Toshiba 500 GB SSD (The M.2 is the fasstest storage out and is good for installing the OS and some app that you usually uses).
* HDD: Seagate Barracuda 2 TB: 72 euros
* Reference: <https://www.amazon.es/Seagate-ST2000DMZ08-Pulgadas-Barracuda-Plateado/dp/B07H2RR55Q/ref=sr_1_8?__mk_es_ES=ÅMÅŽÕÑ&crid=1VFUMNHTYPOBB&dchild=1&keywords=hdd+2tb&qid=1606750319&sprefix=hdd+%2Caps%2C179&sr=8-8>



* SSD: M.2 Toshiba 500GB SSD : Prize (114 euros).
* Reference: <https://www.amazon.es/Toshiba-RD500-NVMe-500GB-Solid-State-Module/dp/B0845PQHHP/ref=sr_1_1?__mk_es_ES=%C3%85M%C3%85%C5%BD%C3%95%C3%91&dchild=1&keywords=m2+500gb+toshiba&qid=1606750452&sr=8-1>



## Power supply:

* Corsair Cv650 650W 80Plus Bronze : 60$ (This is a good company that do greats power suplies ).
* This amount of power is the neccesary for you computer to be able to start.
* Prize: 80 euros.
* Reference: <https://www.amazon.es/Corsair-VS650-Fuente-Alimentaci%C3%B3n-PLUS/dp/B00LMBT0IO/ref=sr_1_5?__mk_es_ES=%C3%85M%C3%85%C5%BD%C3%95%C3%91&crid=2AW8N5KW67QY5&dchild=1&keywords=corsair+650w+80+plus+bronze&qid=1606750628&quartzVehicle=5-99&replacementKeywords=corsair+650w+plus+bronze&sprefix=corsair+650%2Caps%2C169&sr=8-5>



## Air flow:

* CPU FAN: Nox Hummer H212: (Intel proccessor usually comes with a fan but isnt great, so you need a better one, this is actually good for the price).
* Prize: 23 euros
* Reference: <https://www.amazon.es/NOX-NXHUMMERH212-Nox-Base-refrigeradora/dp/B01BE7AW28/ref=sr_1_1_sspa?__mk_es_ES=%C3%85M%C3%85%C5%BD%C3%95%C3%91&dchild=1&keywords=Nox+Hummer+H212+%3A&qid=1606751143&sr=8-1-spons&psc=1&spLa=ZW5jcnlwdGVkUXVhbGlmaWVyPUFPUVEzSjc4VDdYUjgmZW5jcnlwdGVkSWQ9QTAyODQyMTUxVVBQNk43U0ZKUlgzJmVuY3J5cHRlZEFkSWQ9QTA5MTUzMjcyWlkxMDIwUkFBN1gmd2lkZ2V0TmFtZT1zcF9hdGYmYWN0aW9uPWNsaWNrUmVkaXJlY3QmZG9Ob3RMb2dDbGljaz10cnVl>



## Case:

* Nox Hummer MC pro arg Black. 49 $ ( this is a case that has good air flow and the neccesary room for the components).
* Prize: 49 euros
* Reference: <https://www.amazon.es/NXHUMMERMCPROB-Semi-Torre-Rainbow-ventana-acr%C3%ADlica/dp/B089KP72VY/ref=sr_1_2_sspa?__mk_es_ES=%C3%85M%C3%85%C5%BD%C3%95%C3%91&dchild=1&keywords=Nox+Hummer+MC+pro+arg+Black.&qid=1606751204&sr=8-2-spons&psc=1&spLa=ZW5jcnlwdGVkUXVhbGlmaWVyPUFEQ1FHWkpYUDJDRUkmZW5jcnlwdGVkSWQ9QTA5NDYwMTJYSFU1VEtMVVZONzUmZW5jcnlwdGVkQWRJZD1BMDc2NzI1NzJJQ05EWjhRTEtGQlImd2lkZ2V0TmFtZT1zcF9hdGYmYWN0aW9uPWNsaWNrUmVkaXJlY3QmZG9Ob3RMb2dDbGljaz10cnVl>



### **Total: 1447 Euros.**

This is actually expensive, but we are getting are High end PC for gaming with the lastest parts and we starting creating this proyect with the idea that is for work, so is a good deal for the price and the performance.