# Hardware Components

For this exercise, you will be constructing your own dream computer by finding parts online! You'll need to locate a motherboard online and then find suitable PSU, CPU, RAM, HDD/SDD and GPU components for it. Record each part, where you found it and the cost on the table below.

Note that you cannot use pre-made computers, e.g. AlienWare. Make sure the components you select are compatible with each other!

Some useful websites for finding computer parts are below:

* **MSY** [www.msy.com.au](http://www.msy.com.au/)
* **uMart** [www.umart.com.au](http://www.umart.com.au/)
* **NewEgg** [www.newegg.com](http://www.newegg.com/)
* **TigerDirect** [www.tigerdirect.com](http://www.tigerdirect.com/)

## Submission

Submission for this exercise is required as part of assessment 1.  
Make sure this is included with assessment 1 submission on the due date!

## Hardware Components Table

Feel free to add in extra rows as you see fit (e.g. add another GPU row for SLI / Crossfire, etc)

|  |  |  |  |
| --- | --- | --- | --- |
| Required Components | Name | Price | Website Link |
| Motherboard | Asrock x99 Extreme 3 | 299 | http://www.msy.com.au/sa/northplympton |
| CPU  CPU Cooling | Intel Core I7 5820K Gmaxx 400 | 559  32 |  |
| PSU | 650 Watt Aerocool | 69 |  |
| HDD  SSD  DVD Combo Drive | 2TB Seagate Barracuda  240GB Scandisc Plus  Samsung | 97  115  18 | http://www.msy.com.au/sa/northplympton |
| RAM | G. Skill Ripjaws 4 DDR4 32GB | 356 |  |
| Keyboard + Mouse Combo | Gigabyte | 12 |  |
| Monitor | Samsung 28” 4K LU28D590DS-G  (3840 X 2160) | 545 |  |
| Computer Case:  Must be compatible with the motherboard form factor | SHAW GM3 Gamming USB 3 (ATX) | 35 |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Additional Components | Name | Price | Website Link |
| GPU If not included, the motherboard must support integrated graphics | Gigabyte 6GB GTX 980 Ti G1 GAMING | 1 089 | http://www.msy.com.au/sa/northplympton |
| WIFY CARD | TP LINK 300 mps | 19 |  |
| 2.1 Speakers | Logitech Z213 | 26 |  |
| SD Multi card Reader | O.E.M. | 1 | NA Already Got |
| Headphones and Microphone Set | Ritmo | 1 | NA Already Got |
|  |  | **TOTAL:** | $3 271.00 |

**Build review on PC Partpiker.com.au (some variations in brands)**

**http://au.pcpartpicker.com/p/snxQWZ**

**(Last prices update 7/7/2015)**