**D2: Evaluate Performance Changes To Computer Systems After Hardware And Software Upgrades. Further in the assignment you also need to explain how the width of the data bus and address bus affect processor performance and complexity.**

You have been asked to design a performance PC system.

**You must make choices of**

* The bit size of the CPU (32 or 64)
* The memory type
* The bus speed
* The address and data bus widths
* Any techniques you will use (eg DMA or memory mapping)

Describe the choices you make and how they impact the overall performance and complexity of the system.  
Write no more than 2 sides of A4.