What is the role of the CU in a CPU?	What is packet switching and what is its purpose?	What is the role of a client in a client-server network?
What is the role of system software?	What is virtual memory and why is it needed?	When designing a system, how can you prevent SQL injection attacks?

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What is the role of the CU in a CPU? **It sends controls signals, managing components such as ALU, I/O devices** **It sends out clock signals, synchronising the workings of the CPU**	What is packet switching and what is its purpose? **Files broken down into packets** **Packets routed from router to router depending on availability** **They have destination and return IP address and so can be directed towards particular nodes** **They have sequence numbers** **Are rebuilt to reform the file when received.**	What is the role of a client in a client-server network? **The client is there to request services from the client and show the results of the requests at the node.**
What is the role of system software? **To support the running of the system so that programs and hardware can communicate and work effectively.**	What is virtual memory and why is it needed? **Virtual memory is when secondary storage is used as RAM when the RAM is full. It enables multiple programs to continue to run without the computer system freezing, the system will run much slower as a result as secondary storage has slower read/write speeds.**	When designing a system, how can you prevent SQL injection attacks? **Data validation and sanitisation when receiving user inputs.**

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