

Expert Systems

Fundamentals of Expert Systems

<http://zimmer.csufresno.edu/~sasanr/Teaching-Material/MIS/ES/fundamentals-of-expert-systems.pdf>

Sample interview/dialog between the user and the expert system:

User: I am experiencing a problem with my printer.

System: What kind of a problem?

User: The lights keep blinking.

System: What kind of printer do you have?

User: HP DeskJet 920C.

System: Do all lights keep blinking?

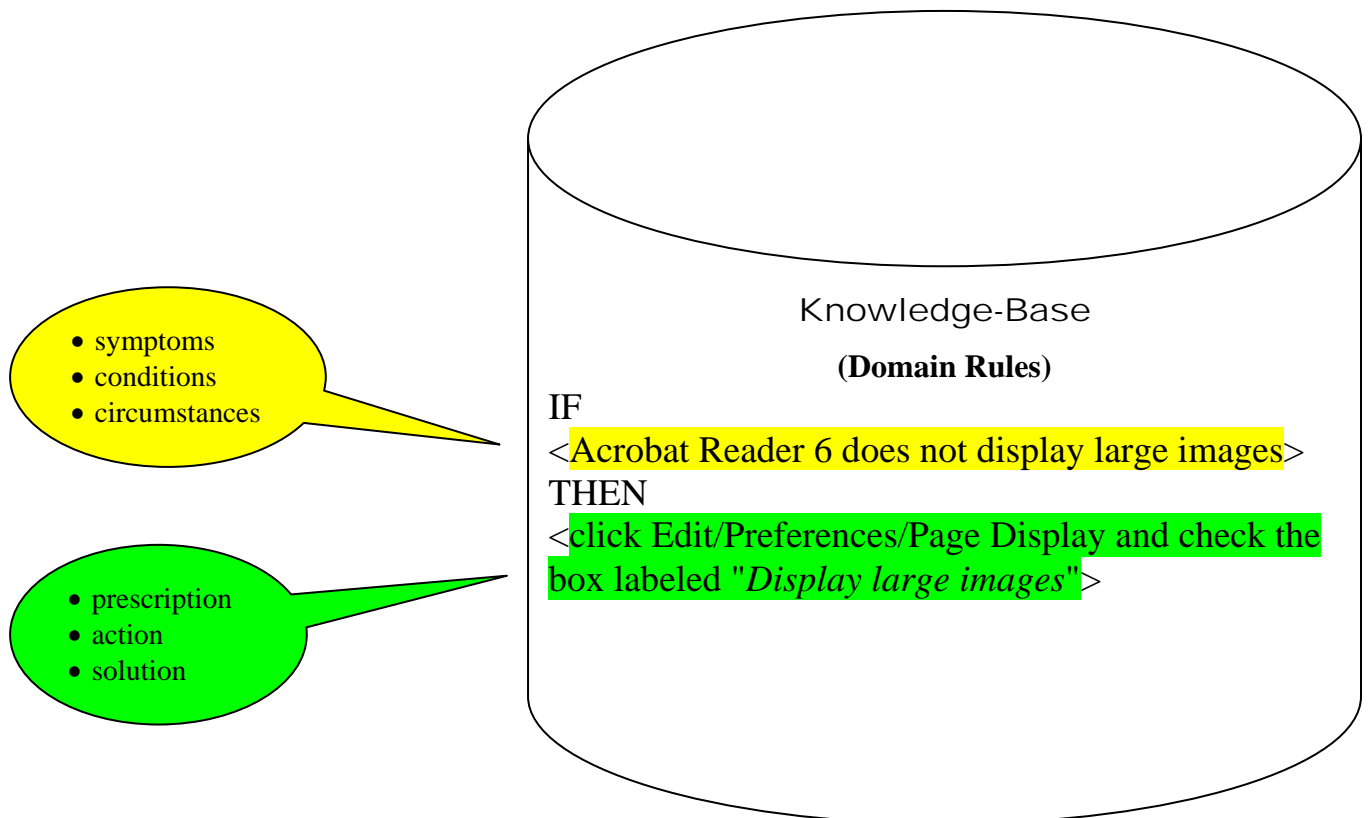
User: No; the power light blinks but the cartridge & resume lights are off.

System: Does this happen when the printer is processing a print job?

User: No

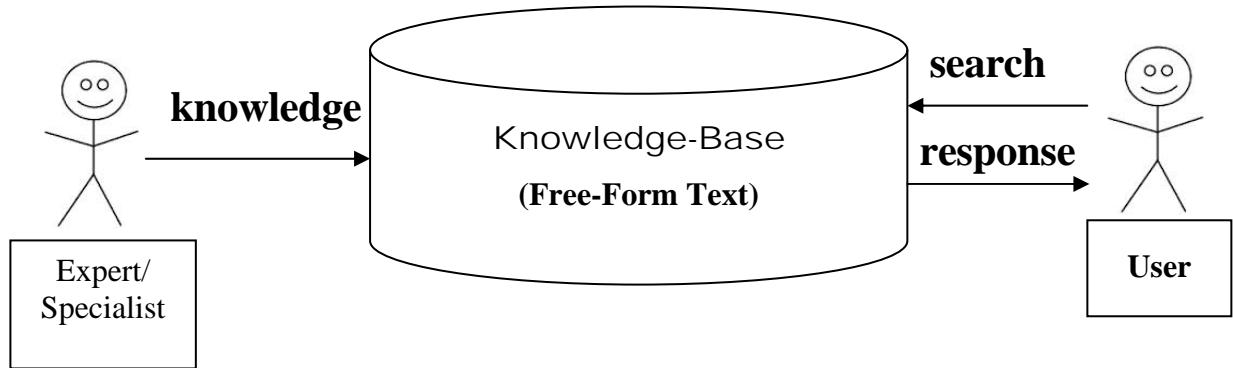
System: What you need to do is:

All knowledge that CAN be articulated (explicit knowledge) MAY be stated in rules of the form: **IF X, THEN Y**

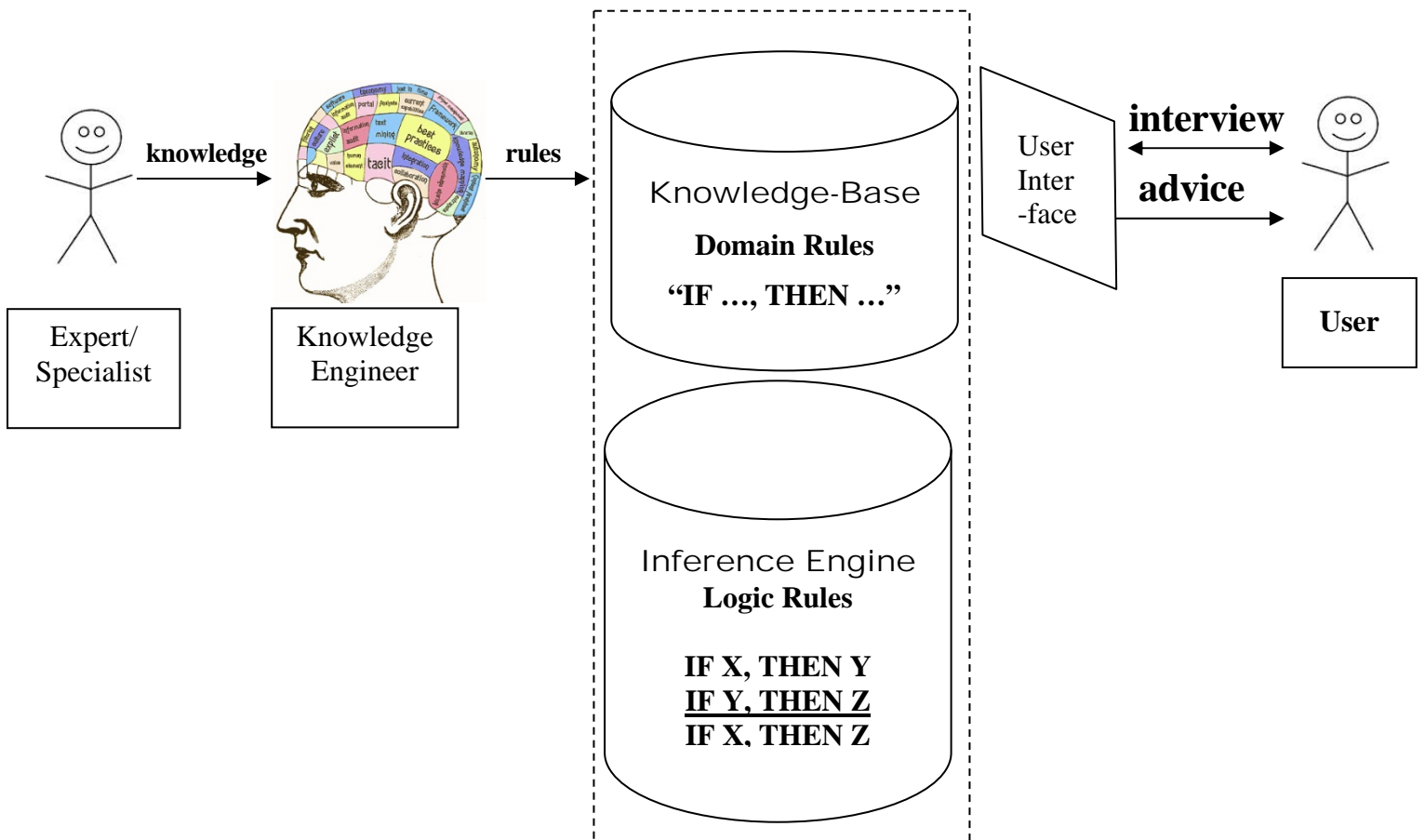


How are Knowledge-Based Systems different from Expert Systems?

Knowledge-Based Systems: Less Structured



Expert Systems: More Structured



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