

Knowledge-Based Systems

How are Knowledge-Based and Expert Systems similar to Decision Support Systems?

- They are both based on **relational information**.

How are Knowledge-Based and Expert Systems different from Decision Support Systems?

Decision Support Systems	Knowledge-Based and Expert Systems
<ul style="list-style-type: none">• quantitative (numbers)• model-based• $Y = f(X)$	<ul style="list-style-type: none">• qualitative (text)• rule-based• when facing ..., do ...•

Knowledge-Based and Expert Systems are the follow-up to Decision Support Systems?

- Decision Support Systems: Which course of action is the best?
- Knowledge-Based and Expert Systems: How to implement the above course of action?

- Decision Support Systems: Buying a hybrid car is worth it when the price of gas > \$6/gallon
- Knowledge-Based and Expert Systems: To buy a hybrid car, follow these steps:

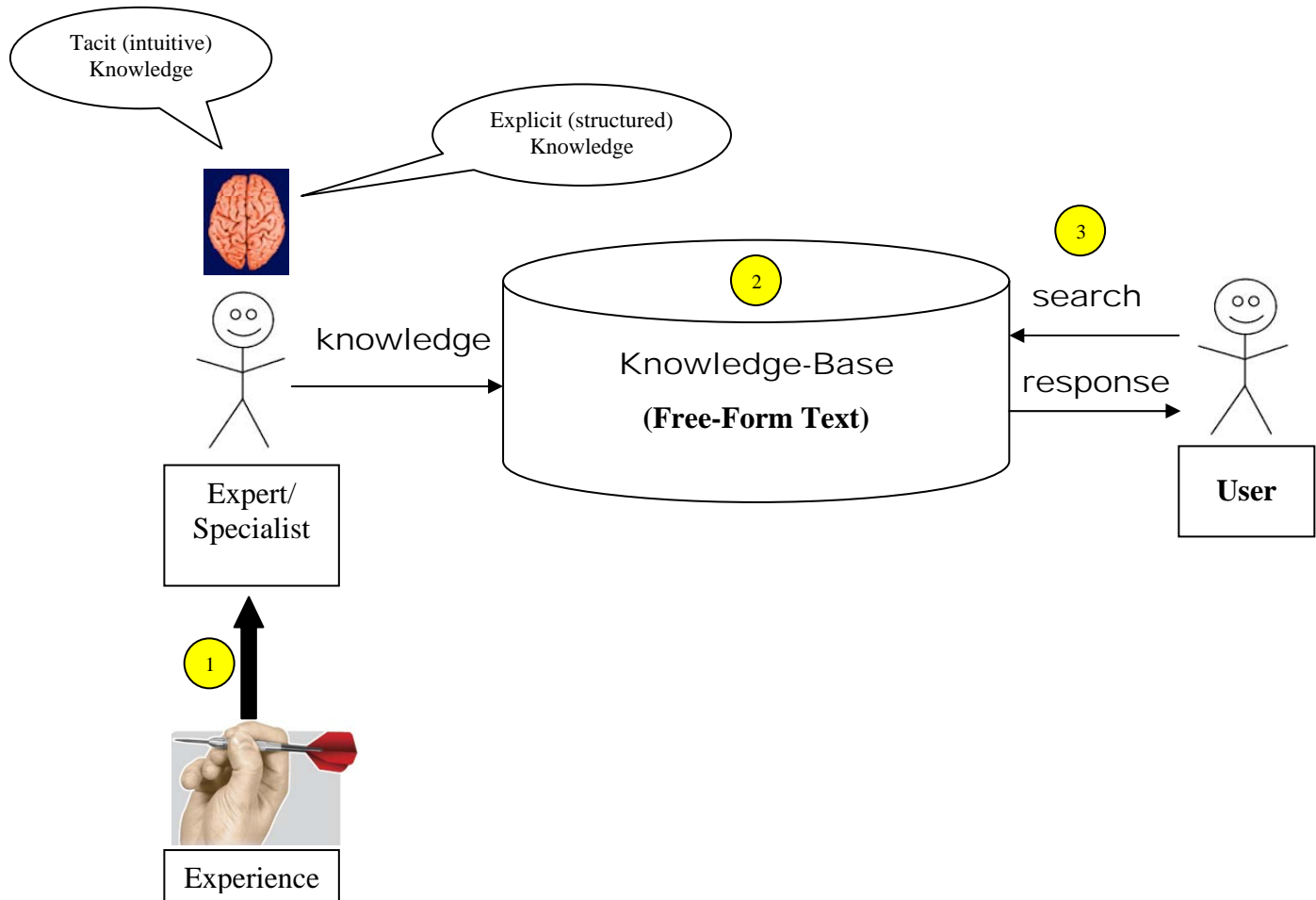
What types of things do we know?

- We know that/when/who/where/what → Factual Knowledge → Information
- We know how-to → Procedural Knowledge → Skill/Competence
- We know why → Explanatory Knowledge → Understanding

Call Taken: 7/17/2003, 12:06:00 PM
Work Started: 7/17/2003, 3:30:00 PM
Problem Solved: 7/17/2003, 4:15:00 PM

Problem Category: Lecturn - PB134
Short Description: Adobe Acrobat 6 does not display images.
Progress: Assigned to Rickl 7/17/2003

Solution Details: Chris was working on this lecturn computer to troubleshoot the problem. We found that Acrobat Reader 6 does not display large images in the document by default. To resolve this problem, edit the program preferences by clicking "Edit / Preferences / Page Display" and check the box labeled "Display large images". Acrobat Reader will then display all images in the document.



Textbook (pages 89-90)

- 1 creating knowledge
- 2 capturing and storing knowledge
- 3 disseminating knowledge

The Mother of Knowledge Management: Julia Child. http://en.wikipedia.org/wiki/Julia_child
Read enough to figure out her role in knowledge management.