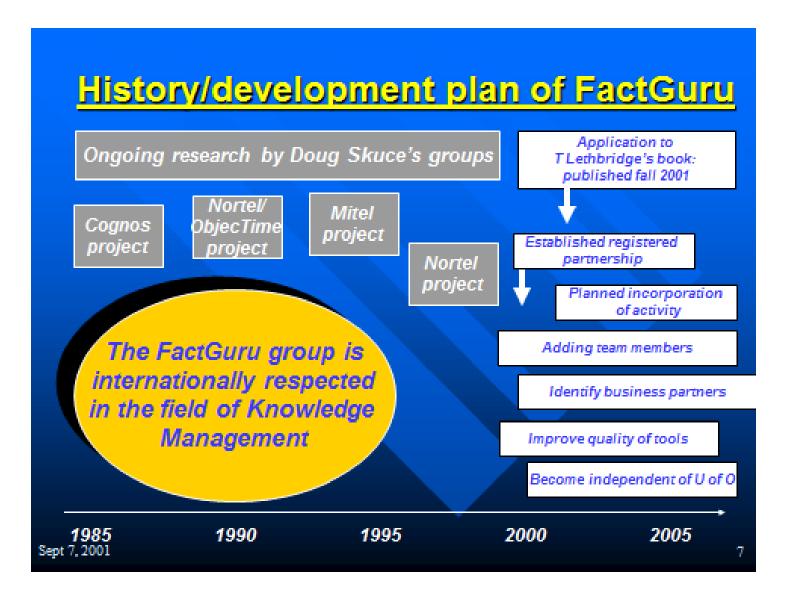


# What is FactGuru?

- Technology for organizing knowledge
  - So that it can be easily found and explored by endusers
- We have several demonstration knowledge bases, including:
  - Object-Oriented Software Engineering (in conjunction with a McGraw-Hill book)
  - Astronomy

Sept 7, 2001



# Key features of FactGuru

- Knowledge is distilled into simple facts
- Presented to users through a web interface:
  - Organized in hierarchies
  - Multi-media capable
  - Easy to search
  - Easy to compare related knowledge

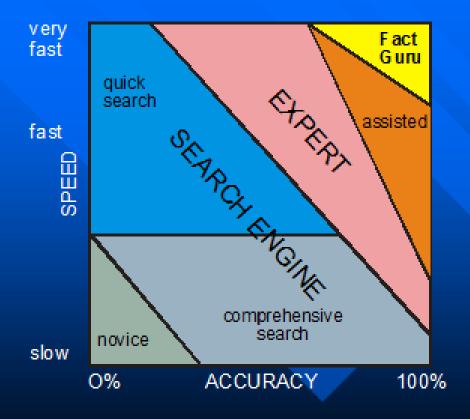
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## Key features of FactGuru

- We have tools and a methodology to build knowledge bases
  - Our prototype knowledge organizer helps structure the knowledge
  - Knowledge is stored in a database
  - The web site builder creates what the end-user sees
- Readily translatable to other languages
  - Due to its simple structure
  - Important in a government context

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### Accuracy vs. speed for search tools

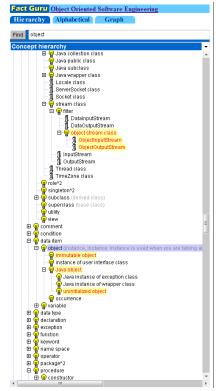


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- o immutable object (3 facts) an object that has a state which never changes after creation

- | Instance of user interface class (4 facts)
  | Java object (3 kinds, 7 facts)
  | Occurrence (4 facts) An object that is a member of a set of classes that set share common information but also differ from each other in important ways

# TAKODO BUILDING A KD FROM A SET OF DOCUMENTS (MS – WRATKO HLAVINA, U OF OTTAWA, 2001)

Here is what we start with: a tagged sentence

Sentence Information Edit					
Sentence information					
Sentence number: 100		Document 2. Java Language Specification	Y	View	
Number	Sentence	Tagged sentence	Patterns	Questions	
100	A try statement can include catch and finally clauses to protect against non-local control transfers.	A ~a ` ^B try ~try ` ^S statement ~statement `\$ ^S can ~can `X ^V include ~include `V ^V catch ~catch `O ^S and ~and ` ^& finally ~final `A ~V clauses ~clause `S ^L to ~to ` ^  protect ~protect `V	-10-18-45-	-2-3-6-	

