BYRN sections 1.2 and 1.3

Exercises

BYRN page 1 to page 2 “as possible”

Exercises page 9 “as expressed”

Reading

3. A very brief history of Information Retrieval

2. A coral reef model of the Information System

1. Models of Information Retrieval and Information Storage

Structure

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Data as Information, Storage as Retrieval

ITRG Lecture 1
The user may make mistakes at both stages.

The user needs to judge the relevance of the information items returned. This is usually done by browsing.

The system can process a query into a set of words.

User needs to translate the information need into a query that

User Tasks

User judges the relevance of the response.

User formulates a query.

User has an information need.

Basic Model of Information Retrieval

Aim: give users easy access to the information that they need

Items: search, storage and organization of, and access to information

Information Storage and Retrieval (ISR) deals with the retrieval

Definition (adapted from BYRN, page 1)

Definition and Aim
Items in the information system. These form a collection of information. Human observers can encode and store descriptions of reality in minute details about them. The data are always significantly different to be able for them to convey the same. The data is significant. They are organized in a way that is independent of human observation. It has a physical form.

Basic model of information storage.

...
The ecosystem can control.
The ecosystem is all the factors that are under the control of the designer of the system.
The ecosystem is all the factors that are not under the control of the designer of the system.
The ecosystem and the endosystem.
The ecosystem and the endosystem.

A model of an information system.

(tthis derives from properties of optimal action over time).
Stage second.
Address the second (terminal) stage first and the first (storage).

To set up a good information system, the thinking process must mean that it will be easy for the user to translate the information stored in such a way as to make the retrieval of these items easy. That is, a good information system will have the information items stored for retrieval Principle
do take little account of user needs.

such indexes have been made by a computer. Automatic indexes

In the past, these indexes were created by librarians. Recently

means where the team can be found.

These are tables that list terms and location of docu

Large set of external data have been appearing in books for a

BYRN say that there has been 15%R for 4,000 years.

In the beginning there was the index . . .

few of their information needs.

An efficient system may be popular with users despite matching

it is a cost effective solution for the task that it accomplishes. •

finders can affect the overall economy of the system. 1. Efficiency

effect does it take to maintain the system operating. •

users care about the efficiency of the system, 2. How much

required. •

users care about speed, accuracy, relevance of documents

endosystem, but the result is judged in the ecosystem.

Information system performance depends on the choice in the

Information System Evaluation

These choices are not independent from each other.

4. user interface e.g. command based, cdl, physical library

3. encoding algorithms e.g. classification schemes

2. devices for the storage of media as shelves, computers, scan

ROM

1. media for storage such as hard copy, magnetic disks, CD

The endosystem
9. Who invented the ballpoint pen, and when?
8. Who said, “If I were two-faced, I would be meaning this one”?
7. Who was Joe Pesci?
6. Why was it customary to carve a crescent moon in the door
5. Who scored the last home run for the Pittsburgh Pirates?
4. What information is available on the toxicity of Methaqualone?
3. Who invented 24gb?
2. How are the digits of the social security number determined?
1. Who was the first letter K and W as the first cell letters of

Kontang's exercise questions II

traversals for three or more collections of sets?
7. What did John von Neumann hope to say about common set
6. What was the ruling of the Indiana legislature on the value
give the idea?
5. Who wrote “A Dissertation Upon Roast Pig” and he of the
structure due to resonance.
4. Find the earliest documented incidence of the collapse of a

Many

3. Produce a bibliography on American Journey in the 19th cen
2. Who invented the water bed and where was first mentioned?
1. What is Donald Knuth's first published paper?

Kontang's exercise questions I

to problems!

How good are the web and its indexes as tools to find answers

joined index. The difference is essentially a matter of scale.
The web search engines is not much different than an old

there must be a way of finding it
2. It is best to be there

But to find something on the web,

everybody,” because it is a new publishing medium available to
The Web is becoming a universal repository of human

and then came the Web
How do you judge the overall performance of the web as a tool?

What are your recommendations to finding the answer to a specific question on the web?

Please note fairly precisely what you do. How did you find the answer? How long did it take you to find the answers? Time out after 2 hours.

Assignment: Prepare a presentation