UBLIS571%Assignment05

Spring 2016

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|  | Assignment 5 | ***Assigned: February 10*** |
|  |  | ***Due: February 17*** |

**Analytical description of an information system**

\*Start entering information on the next page\*

Note: Systems organizing things, such as a store, a warehouse, a kitchen, a city (with streets and buildings as entities in focus), or a building (with rooms as the entities of focus) follow the same basic principles of organization.

Note: Start typing at the black triangle (delete the black triangle or leave it according to your preference)

**Information system name:**

***Processes* Files** Note: Outline improved from the assignment package; either can be used.

**1 System rules**

**1.1 Name of the conceptual data schema / document that describes it**

►

**1.2 Knowledge Organization System(s) used (classification, subject heading list, index language, thesaurus)**

►

**2 Acquisition and input of user needs**

**2.1 Target user group, their problems, needs, background**

►

**2.2 User needs in general**

*2.2.1* *Process: Identification of user needs in general. Setting priorities. How done? By whom?*

►

2.2.2 Resulting file: description of user needs in general

►

**2.3 Needs of specific users**

*2.3.1* *Process: Acquisition of the needs of specific users. How done? By whom?*

►

2.3.2 Resulting file: Query statements as acquired

►

**2.4 Queries: From query statements to formulated queries**

*2.4.1* *Process Formulating queries in terms of entities and relationships (often just free terms or class numbers with relationship type implied as Document <hasSubject> or left unspecified (meaning just occurring in the text of the document)*

►

***2.4.2* *Process: Feeding formulated queries into storage***

►

**2.4.3 File: Query store**

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**3 Acquisition and input of information or entities**

**3.1 Information or entities "out there" (e.g., medical knowledge in textbooks and other documents, all published books, etc.)**

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►

**3.2 Collection development policy, could be considered parallel to 2.2**

**3.3 Collection development implementation**

*3.3.1 Process: Selection and acquisition of information or entities How done? By whom?*

►

3.3.2 Resulting file: Information or entities as acquired (before processing)

►

**3.4 Documents, data: From unstructureded to indexed / structured**

*3.4.1* *Process: Indexing, intellectual process (metadata creation or transforming). Establishing relationships between entities. Examples: Creating MARC records. Using every string in a text as index term, converting medical knowledge to E-R representation*

►

*3.4.2* *Process: Feeding structured data into storage*

►

3.4.3 Entity store consisting of structured data (for example, medical knowledge represented in E-R statements, MARC records)

►

**4 Finding and showing answers. Comparison, match, inference**

***4.1* *Process: Finding answers. Comparison, match, inference***

►

***4.2* *Process: Displaying results***

►

**4.3 File: Display of information or entities retrieved**

►

**5 Delivering information or entities to the user for application**

**5.1 Preparation for efficient use**

*5.1.1 Process: Further processing of information (or, in the most general view, things) (for example, extracting a few relevant "nuggets" from a document, grinding seeds)*

►

5.1.2 File:Information processed and presented for easy application (or things processed for ease of use)

►

**5.2 Giving the user the stuff**

*5.2.1* *Process: Making information or entities (processed or not) available to the user*

►

5.2.2 File: Information or entities in the hands of the user

►

**5.3 Making sure the user understands and can apply the information or entities delivered ("after-sale support)**

*5.3.1* *Help the user understand and apply the information or entities*

►

5.3.2 User's updated mental image(You need not say anything about that; one could do a study determining how much the user has learned about the topic of the question.)

►

**6 Public relations**

***6.1 Process: Putting out information about the system and its services. How done? By whom?***

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6**.2 Potential users know about services available** (You need not say anything about that; one could do a study determining how much users know about the services.)

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