UBLIS571%Assignment14a

[Instructions for term paper template: Use this template as a guide to write a term paper on an IR system. It can be

* the design of a new IR system or
* the description, analysis, and critique of an existing IR system.

The major sections can, and often should, have subsections with their own section numbers (such as 3.1, 3.2) and their own titles

Any text in gray is text to be replaced with new text. The text within these brackets should be deleted.]

Title of paper

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University at Buffalo

**Mandatory outline** (template)  
 for information retrieval system design or description, analysis, and critique

**1 Analysis of user needs**

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**2 Entity-relationship (ER) conceptual data schema.**

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This may take some effort to construct. Often you can work from a record format that is given, but sometimes you need to look at sample records or at the search criteria that can be used.

3 **The index language(s) used and its (their) suitability for the needs of the intended audience.**

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The index language could be natural language (just English or any language); then you need to discuss how useful free-text search is for the intended audience.

4 **Indexing process**

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Discuss how the conceptual data schema and the index language are used to enter data into the database (indexing very broadly defined).  Who does the indexing? (Could be the users as in social tagging). Using what approach / process. (Textbook chapters 13 and 16 are particularly important here)

5 **Searching**

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Discuss how searches can be done (through queries, through navigation, through a combination). Do some sample searches and see how they work; include sample searches and search results in the paper (sample documents found in the text, search result list in an appendix) and provide an analysis. Comment on the search interface. How useful are the ways to search and the search interface to the intended audience?

6 **Conclusion**

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