

Digital Libraries

Five minute summary

- Thought question
 - What is a library
 - Experiences with DL class
- Build on Information Retrieval, Web Crawling, Information management,
- Theoretical framework
 - 5S model from Ed Fox and the DLRL at VT

5S Summary

Model	Primitives	Formalisms	Objectives
Stream	Text; video, audio, software program	Sequences, types	Describes properties of the DL content, encoding and textual material or particular forms of multimedia data.
Structure	Collection, catalog; hypertext; document; metadata; organizational tools	Graphs; nodes; links; labels; hierarchies	Specifies organizational aspects of the DL content
Space	User Interface; index; retrieval model	Sets; operations; vector space; measure space; probability space	Defines logical and presentational views of several DL components
Scenarios	Service, event; condition; action	Sequence diagrams; collaboration diagrams	Details the behavior of DL services
Societies	Community; managers; actors; classes; relationships; attributes; operators	Object-oriented modeling constructs; design patterns	Defines managers responsible for running DL services; actors that use those services, and relationships among them

Source: <http://www.dlib.vt.edu/projects/5S-Model/>



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An example application of 5S - Etana: A DL for an archeological site

