

Chapter Ten

Future Technology and Digital Libraries

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- ✓ Web 2.0 and Library 2.0
- ✓ Digital libraries & Learning

Web 2.0

✓ **Web 2.0** is Internet communication and productivity tools that are:

- User-Centered
- Collaborative
- Social
- Interactive
- Content-rich
- Multi-media-rich
- De-centralized (control)

Manifestations of web 2.0 includes:

 Wikis

 Mashups

 Blogs

 RSS

 Streaming
audio/video (really
Web 1.0)

 Tagging

 Instant Messaging
(really Web 1.0)

 Social Networks

 Web-based software

 Widgets

 Ajax and API's

Library 2.0

✓ ***Library 2.0*** includes:

- 0 Participative
- 0 work for the user
- 0 modular
- 0 sharing
- 0 communication
- 0 facilitating community
- 0 Student Centered or students
participate in the creation of knowledge
- 0 **Serve our patrons better**

- ✓ Digital libraries create a new learning environment
- ✓ Digital libraries make distance-learning a reality
- ✓ Digital libraries encourage active and interactive learning
- ✓ Digital libraries foster life-long learning

How should Learning take place?

- ✓ Learning should take place in the context of authentic, complex problems
- ✓ Learning should be embedded in the pursuit of intrinsically rewarding activities
- ✓ Learning on demand needs to be supported because change is inevitable
- ✓ Organizational and collaborative learning must be supported to leverage limited individual human minds and to meet collective organizational needs

Interface

- ✓ The various means by which people communicate and interact with the system to engage and guide what it does, and the means by which the system communicates its responses
- ✓ **Interface** includes:
 - o Input/output hardware and software
 - o Application characteristics that promotes sharing responsibility between people and systems
 - o The technical facilities that supports people's interaction with systems

Characteristics of DL Interfaces

- ✓ Functionality
- ✓ Simplicity
- ✓ Easy-to-use
- ✓ Reliability
- ✓ Appropriateness

Characteristics of Effective interfaces

- ✓ Easy to understand, Easy to learn
- ✓ Error tolerant, Flexible and adaptable
- ✓ Appropriate and effective for the task
- ✓ Powerful and efficient
- ✓ Inexpensive
- ✓ Portable, Compatible
- ✓ Intelligent
- ✓ Supportive of social and group interactions
- ✓ Trustworthy—secure, private, safe, and reliable
- ✓ Information centered and
- ✓ Pleasant to use

Questions?