

Web2.0 Paradigm and Possibilities for Educational Application

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Have you tried these before ?

- Write your diary on the Internet or add comments to other people's articles
- Subscribe information via Rss (Really Simple Syndication) feeds
- Ask and answer questions online
- Publish your pictures, video and audio files to share with the others

We are no longer only consumers of information, but also contributors.

Web 1.0 vs. Web 2.0



DoubleClick



Google AdSense

Ofoto



Flickr

Akamai



BitTorrent

mp3.com



Napster

Britannica Online



Wikipedia

personal websites



blogging

evite



upcoming.org and EVDB

domain name speculation



search engine optimization

page views



cost per click

screen scraping



web services

publishing



participation

content management systems



wikis

directories (taxonomy)



tagging ("folksonomy")

stickiness



syndication



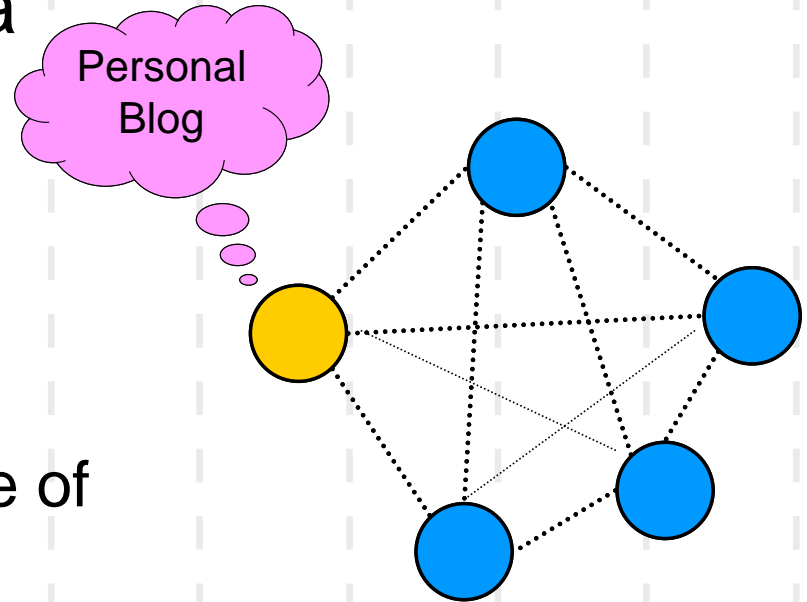
Blog

吉祥樂

- A blog is a web application which contains periodic time-stamped posts on a common webpage.

- Why blog?

- It's Free!
- Connect with an audience of dozens to millions.
- Stop sending mass emails to everyone.
- Archive your thoughts.



Examples of Free Blog Systems



edublogs.org

WORDPRESS

international student blog

Blogs in education

For Teachers

For Students

Course announcements
and readings



Assignment submission
and review



Sharing ideas
with others



Student journal



School and college
newsletters



Creative writing
blog



Journals of school
excursions

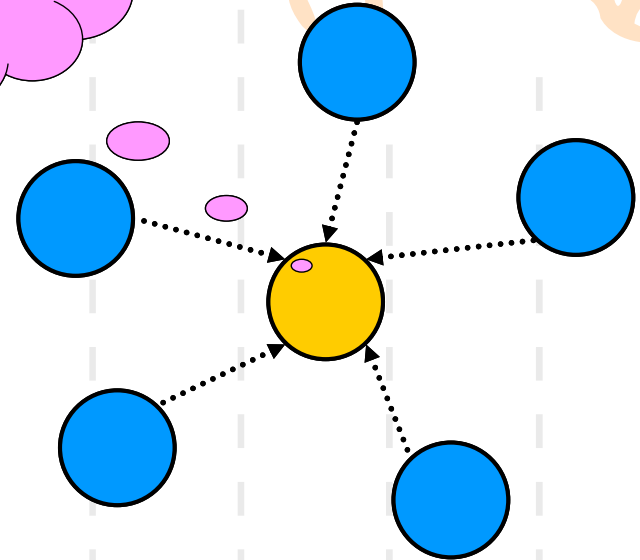
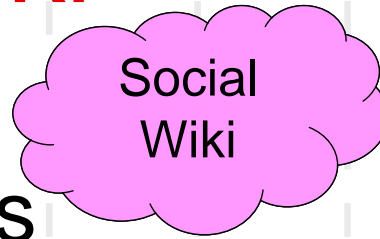


Internet challenges



Wiki

- A wiki is a web application that allows users to participate in creation of content



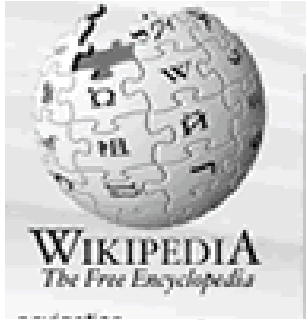
■ Why Wiki?

- Free
- Resourceful
- Up to date
- Collaborative

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Examples of Wiki System



[Second Life Wiki](#)

[Plan 9 Wiki](#)

[Cooperative Web Editing System at FFI](#)

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Wiki in education

For Teachers

Electronic sign-up sheet



Online Seminars



For Students

Collective writing



Openness lead to critical Thinking



Example of RSS

吉祥

www.chicagocrime.org



Rss in Education



- Aggregate information from students' blogs
- Subscribe resource to support teaching



Web2.0 Multimedia



Pictures

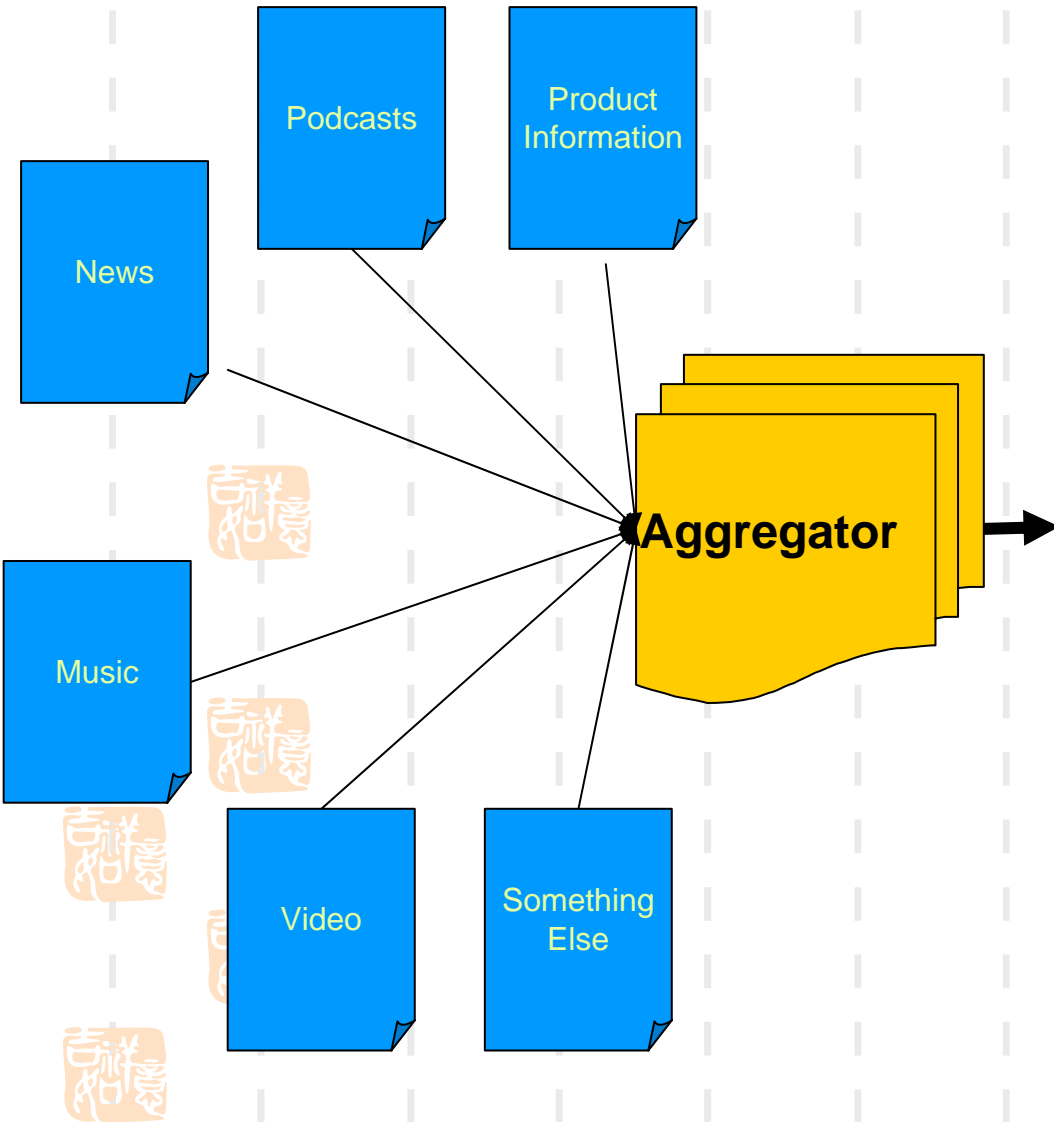


- show photos and tell stories
- leave comments on photos
- add notes and tags
- Full RSS and Atom support



Content Aggregation

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Web2.0 Multimedia

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Audio Podcast

www.odeo.com

epnweb.org

Video

- Video.google.com
- OurMedia.com



Web2.0 Multimedia in Education

- Multimedia repository

- Sharing Platform

- Students and Digital Storytelling



Web2.0 Multimedia in Education

Duke iPod First-Year Experience

- A project of integrating iPod into academic use
- encourage creative uses of technology
- distributing Apple iPod devices, each equipped with Voice Recorders to first-year students
- 60% of 628 students use iPod for academic purposes , including disseminating course content, recording classroom, recording field and supporting study

Source <http://www.duke.edu/ddi/index.html>

Web2.0 Multimedia in Education



Benefits of academic iPod use

- Convenience of portable digital content
- location-independent access
- Effective for digital recording
- Greater student engagement and interest
- Enhanced support for individual learning

Source <http://www.duke.edu/ddi/index.html>



Conclusion



- The Web2.0 as a paradigm
- read/write websites (blogs)
- editable webpage (wiki)
- customized information (RSS)
- platform for learning contribution (Multimedia)
- Learning beyond the paper-based text

