15.561A: Information Systems: From Technology Infrastructure to the Networked Corporation

**15.566:** Information Technology as an Integrating Force in Manufacturing

#### Class #14: THE INTERNET AND ELECTRONIC COMMERCE #2

Spring 1998 Sloan School of Management Massachusetts Institute of Technology

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# **Electronic Commerce on the Internet**

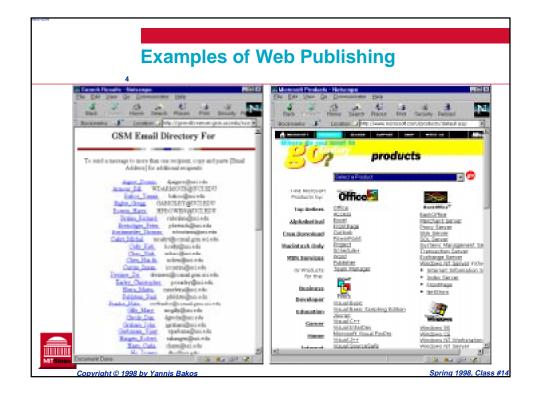
- The First Wave of Web Use: Information Exchange
  Publishing, customer feedback
- The Current Wave: Transactions
  - -Product Delivery
  - -Create a Marketplace
  - New types of Intermediaries
- **■** Emerging Waves:
  - -Business Information Sharing & Partnerships
  - -Customization & Communities of Interest

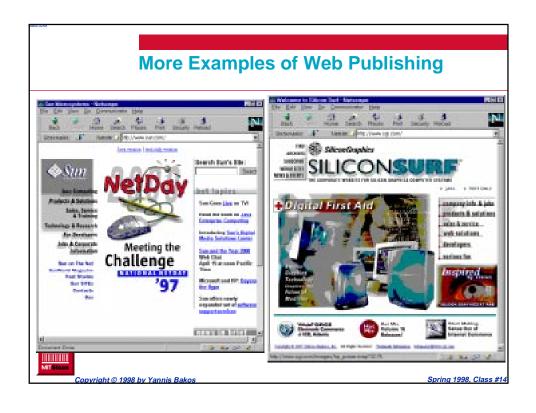


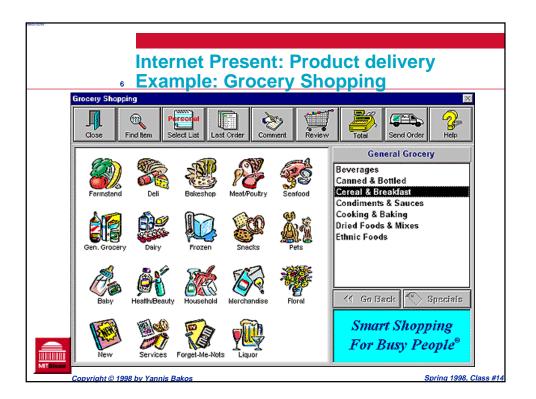
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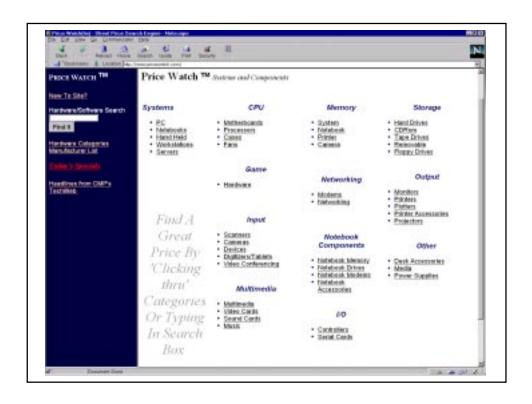


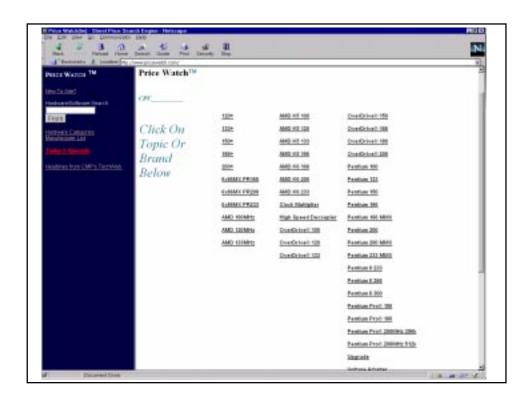








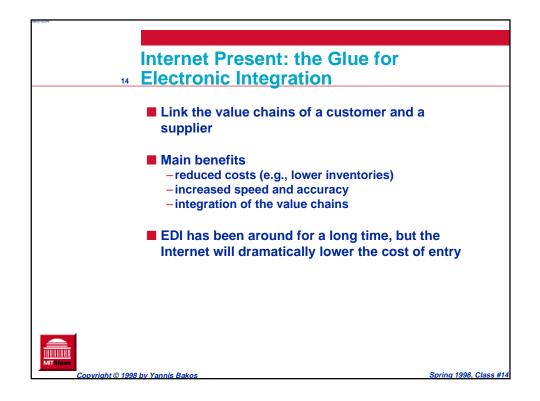


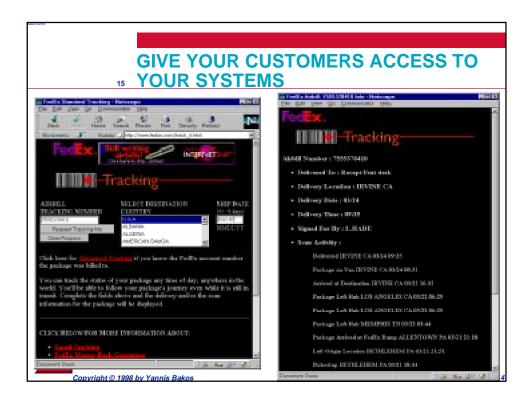


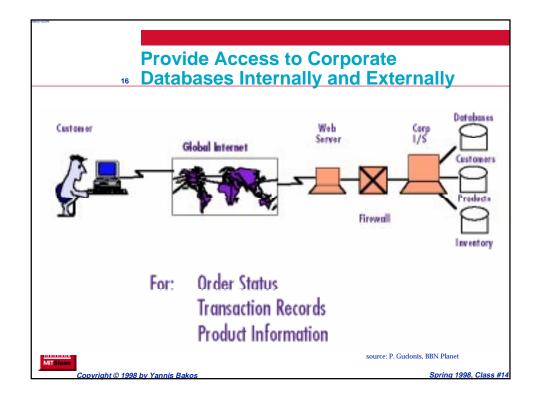


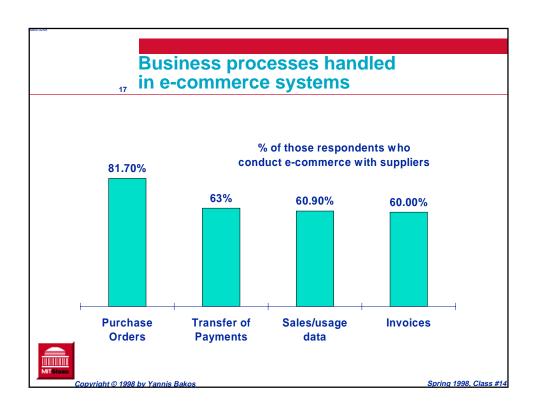


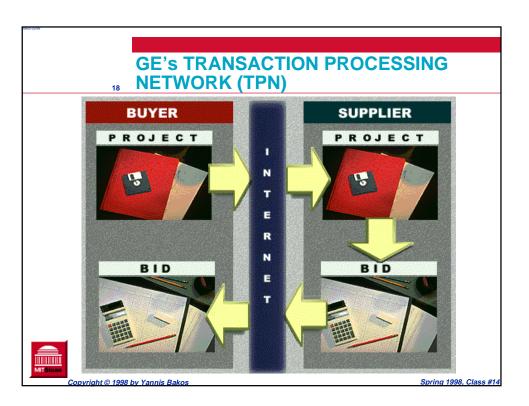












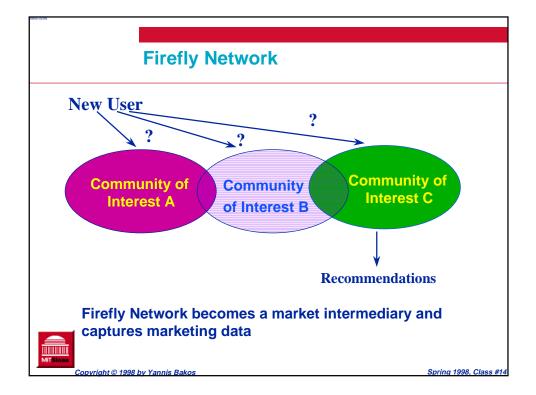
## The Internet Future: Collaborative Filtering and Communities of Interest

- Create a community of interest
- **■** Each user specifies preferences
  - -Active (explicit) ratings
  - -Passive (implicit) ratings
- **■** Correlate rating information across users
  - -Create individualized, "virtual" shopping agent
- **■** Find and Recommend products
  - -Before you even ask!

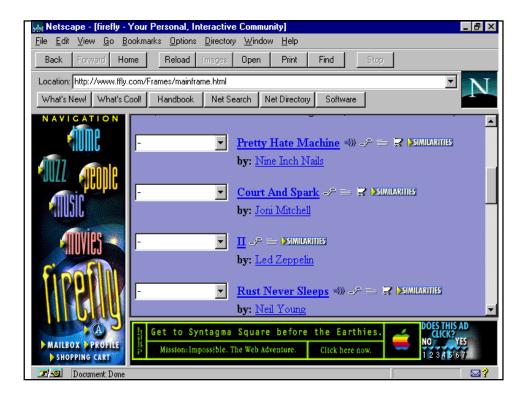


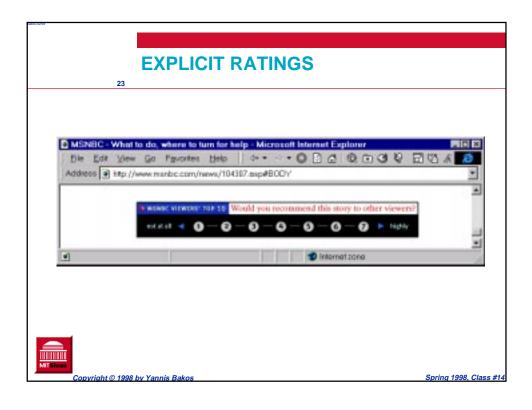
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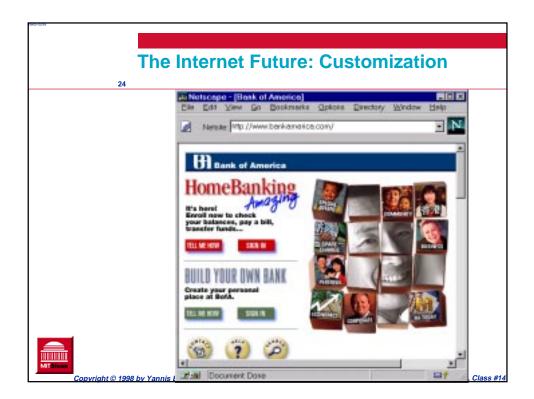
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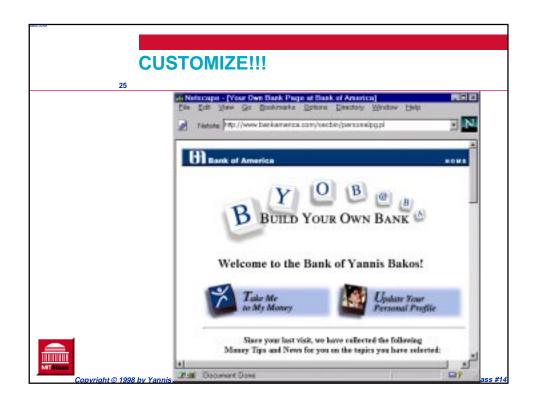


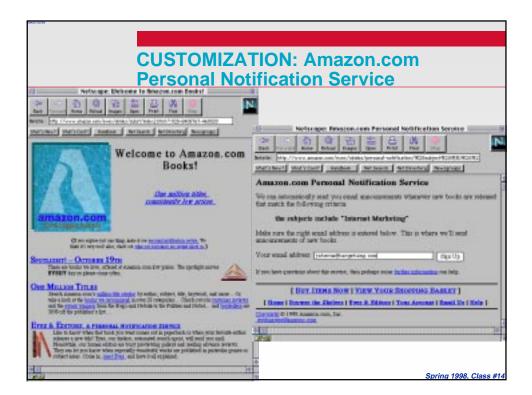












#### 2001: A CYBERSPACE ODYSSEY?

27

## Good to see you again Dave. Since you were here last:

- I have an update for your software
- ■It's time for some fashionable new shirts
- And some matching ties
- I've selected a humorous video for tonight
- And found a nice young lady to chat with
- We received your last payment.
- Thank you so much!

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### **CONCLUSIONS**

- From Mass Marketing to Individual Tailoring
  - -Create more value
  - Dampen price competition
- **■** Business-to-Business
  - A big win (and where most of the action is)
  - Beyond cost reduction: redefine relationships
- Publishing, Transactions & Customization
  - -Communities of Interest
  - Individualized collaborative filtering



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