

Competencies (Page 1 of 2)
 Discuss the origins of the Internet and the Web.
 Describe how to access the Web using providers and browsers.
 Discuss Internet communications, including email, instant messaging, social networking, blogs, microblogs, Webcasts, podcasts, and wikis.

### Competencies (Page 2 of 2)

- Describe search tools, including search engines, Web Directories, metasearch engines, and specialized search engines.
- Evaluate the accuracy of information on the Web.
- Discuss electronic commerce, including B2C, C2C, B2B, and security issues.
- Describe cloud computing, including the three-way interaction of clients, Internet, and service providers.
- Describe Web utilities including plug-ins, filters, file transfer utilities, and Internet security suites.



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The Internet, the Web, and Electronic Commerce

### Introduction

- The Internet is often referred to as the Information Superhighway because it connects millions of people across the globe.
- Unlike a typical highway, the Internet moves ideas, data, and information through networks.
- The Web provides an easy-to-use, intuitive multimedia interface to connect to the Internet.
- Competent end users need to be aware of the resources available on the Internet and the Web.

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# The Internet and the Web The Internet and the Web The Internet is the largest global network, connecting smaller networks worldwide The Internet was launched in 1969 National computer network US funded project called ARPANET

The World Wide Web or WWW was introduced in 1991 at CERN

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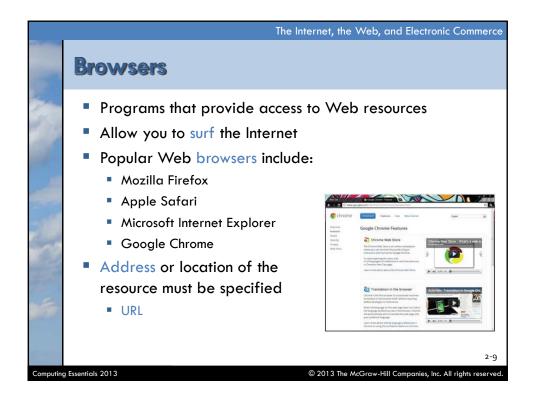
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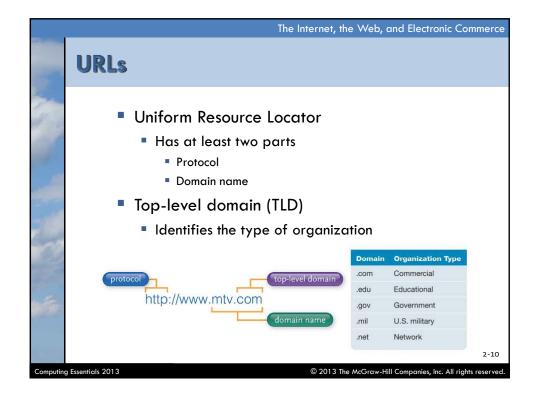


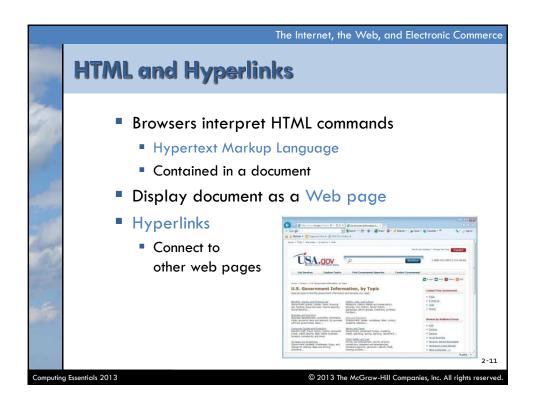
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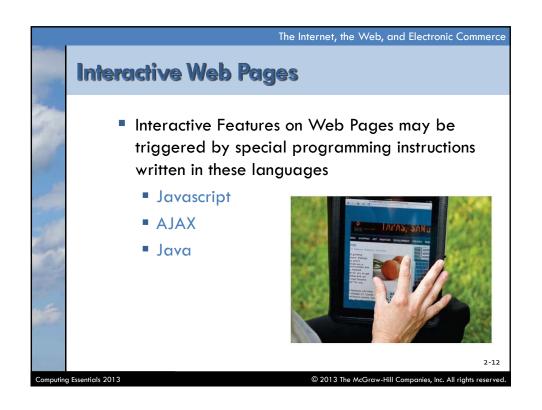
# Making IT Work for You IPods and Video from the Internet Use the Internet to locate and play movies and television shows Transfer video to a digital media player Lives Internet int

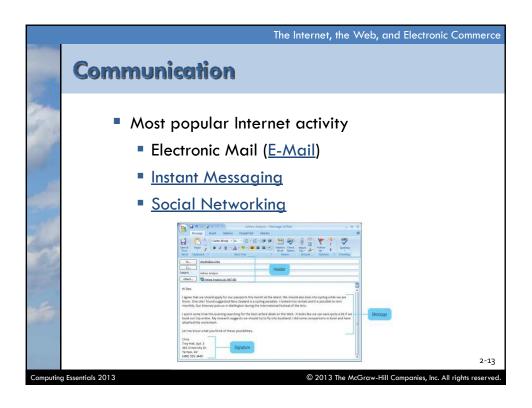
# Access Common way to access the Internet is through a Commercial Internet Service Provider (ISP) Provide a connection for individuals to access the Internet Use telephone lines, cable, and/or wireless connections

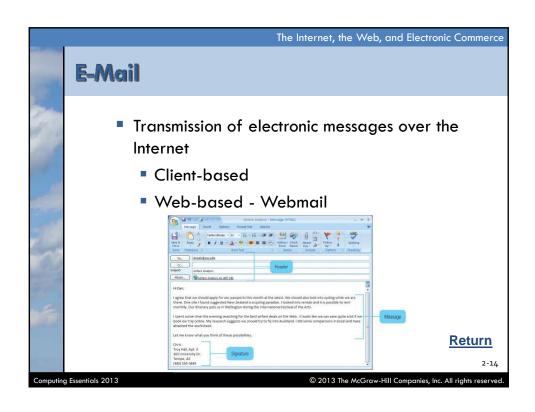


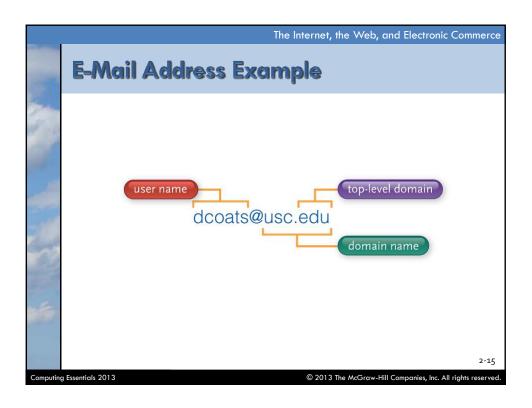


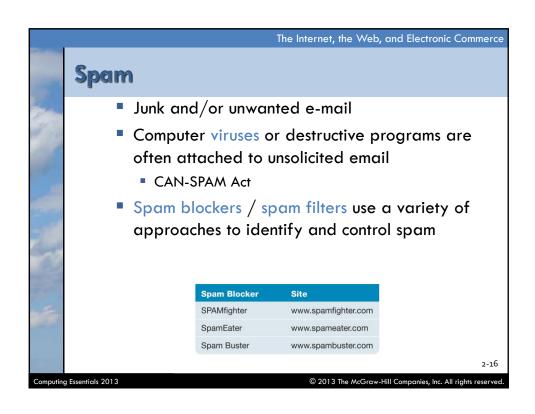






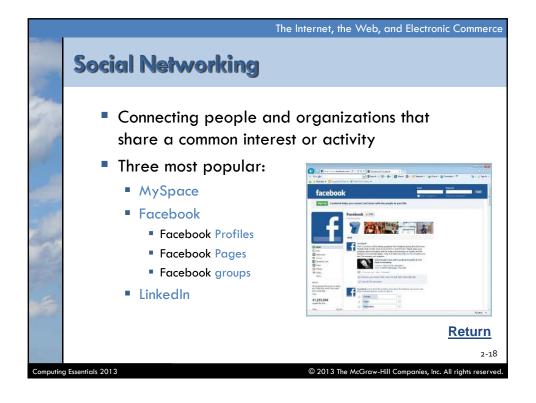






Instant Messaging

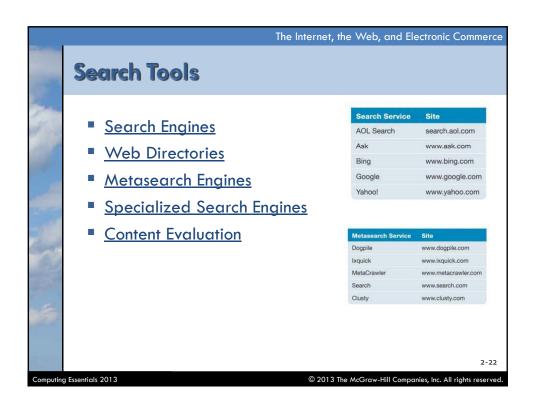
- Extension of email that provides direct, live communication between two or more people
- Instant messaging programs also include:
- Video conferencing features
- File sharing
- Remote assistance
- Most widely used instant messaging services:
- AOL's Instant Messenger
- Microsoft's MSN Messenger
- Yahoo Messenger
- Yahoo Messenger
- Yahoo Messenger



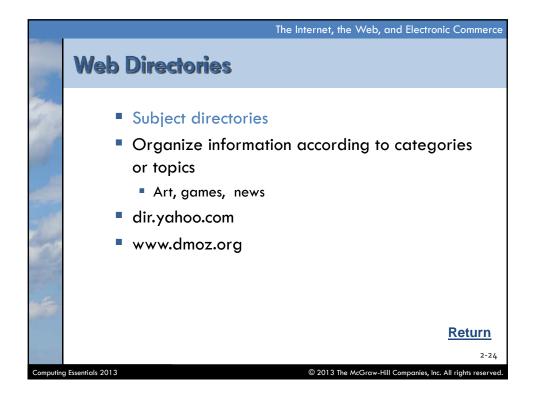


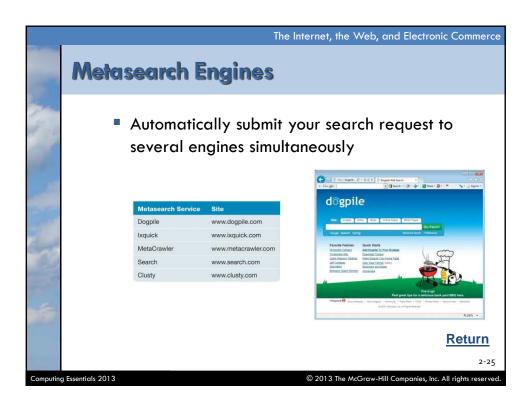


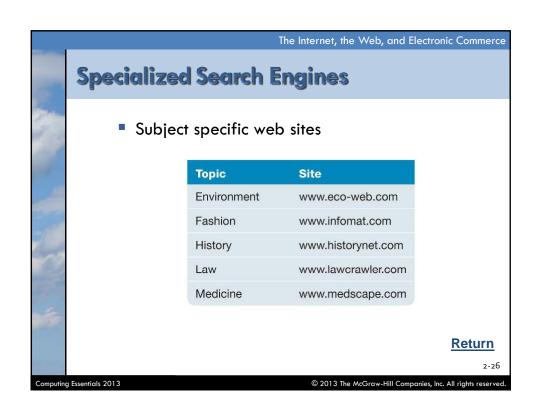










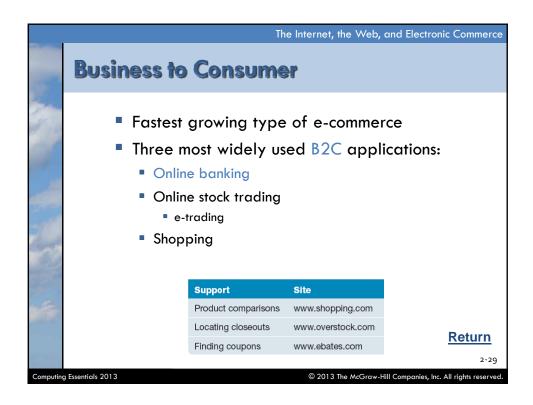


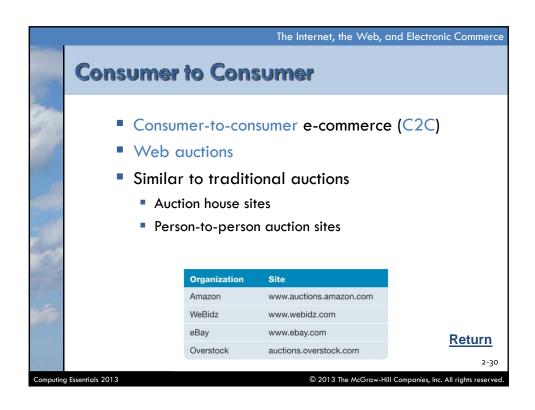
Content Evaluation

- Not all information on the web is accurate
- Ways to evaluate accuracy of Web information include:
- Authority
- Accuracy
- Objectivity
- Currency

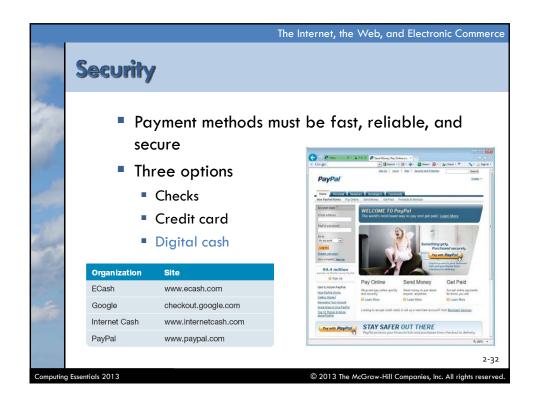
Return
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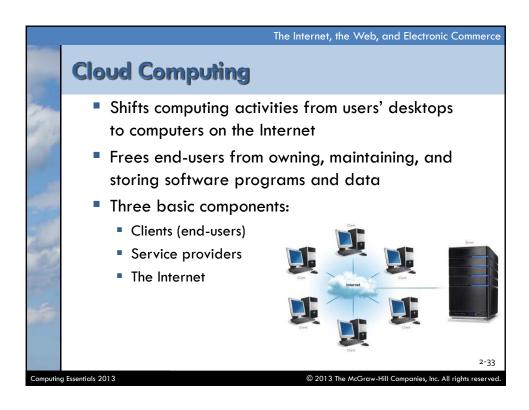






# Business to Business Involves the sale of a product or service from one business to another (B2B) Primarily a manufacturer supplier relationship Return 2-31 Computing Essentials 2013







Plug-ins

Programs that automatically start and operate as part of you browser

Provide an enhanced browsing experience by enabling special file formats and multimedia elements

Acrobat Reader

Flash

QuickTime

RealPlayer

Silverlight

Return

Filters

Programs that block access to selected sites and can set time limits

Monitor total time spent on the Internet and at individual web sites

CyberPatrol
Cybersitter
iProtectYou Pro Web Filter
Net Nanny
Safe Eyes Platinum

Return
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# File Transfer Utilities Programs that help you upload and download files to and from the Internet Three popular types of programs File transfer protocol (FTP) and secure file transfer protocol (SFTP) Web-based file transfer services Bit-Torrent Return 2-37 Computing Essentials 2013



### Careers In IT - Webmasters

- Develop and maintain websites and resources
- Backup of company website
- Update and develop new resources
- Work with the marketing department to increase site traffic and monitor the flow of customer interactions



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The Internet, the Web, and Electronic Commerce

# A Look to the Future Web-Accessible Refrigerators

- "Smart" appliances in homes will have their own Web page
- Refrigerators know what food they contain
- Appliance could send an e-mail list to the grocery store for restocking
- Downsides?



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### **Open-Ended Questions (Page 1 of 3)**

- Discuss the Internet, including its origins and most common uses. What activities have you participated in? Which one do you think is the most popular?
- Describe how to access the Internet. What are the providers? Define browsers and discuss URLs, HTML, JavaScript, Applets, and mobile browsers.
- Discuss Internet communications, including e-mail, instant messaging, social networking, blogs, microblogs, Webcasts, podcasts, and wikis.

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The Internet, the Web, and Electronic Commerce

## **Open-Ended Questions (Page 2 of 3)**

- Define search tools including search services. Discuss search engines, Web directories, metasearch engines, specialized search engines. Describe how to evaluate the content of a web site.
- Describe electronic commerce, including business-to-consumer, consumer-to-consumer, and business-to-business e-commerce., and security.

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# Open-Ended Questions (Page 3 of 3)

- What is cloud computing? Describe the three basic components of cloud computing.
- What are Web utilities? Discuss plug-ins, filters, file transfer utilities, and Internet security suites

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