

- 1  Chapter 2  
The Internet and  
World Wide Web
- 2  Chapter 2 Objectives
- 3  The Internet  
**What are some services found on the Internet?**
- 4  History of the Internet  
**How did the Internet originate?**
- 5  History of the Internet  
**Who provides the Internet's structure today?**
- 6  History of the Internet  
**How has the Internet grown?**
- 7  History of the Internet  
**Who controls the Internet?**
  - 1
  - 2
  - ✦ Nobody; it is public, cooperative, and an independent network
  - ✦ Several organizations set standards
- 8  How the Internet Works  
**What are ways to access the Internet?**
- 9  How the Internet Works  
**How can you connect to the Internet?**
- 10  How the Internet Works  
**What are three parts of an Internet connection?**
- 11  How the Internet Works  
**How might data travel the Internet using a telephone line connection?**
- 12  How the Internet Works  
**What is an Internet protocol (IP) address?**
  - 1
  - 2
  - ✦ Number that uniquely identifies each computer or device connected to Internet
- 13  How the Internet Works  
**What is a domain name?**
  - 1
  - 2
  - ✦ Text version of IP address
- 14  The World Wide Web  
**What is the World Wide Web (WWW) ?**
  - 1
  - 2
  - ✦ A worldwide collection of electronic documents
  - ✦ Also called the Web
  - ✦ Each document is called a Web page
  - ✦ Can contain text, graphics, sound, video, and links to other Web pages
  - ✦ A Web site is a collection of related Web pages
- 15  The World Wide Web  
**What is a Web browser?**
- 16  The World Wide Web  
**How can you establish a connection and start the Web browser?**
- 17  The World Wide Web  
**How do handheld computers and cellular telephones access the Web ?**
  - 1
  - 2
  - ✦ Must be Web-enabled
  - ✦ Uses a microbrowser that displays Web pages that contain mostly text
- 18  The World Wide Web  
**What is a hyperlink?**
  - 1
  - 2
  - ✦ Text or graphic that displays a related Web page

❖ Also called a link

- 19  The World Wide Web  
**How can you identify a hyperlink (link) on a Web page?**
- 20  The World Wide Web  
**How do you recognize links?**
- 21  The World Wide Web  
**What can links display?**  
1  ❖ Item found elsewhere on same Web page  
2  ❖ Different Web page at same Web site  
❖ Web page at a different Web site
- 22  The World Wide Web  
1  **What is a URL?**  
2  ❖ Unique address for Web page located on Web server
- 23  The World Wide Web  
1  **What is a search engine?**  
2  ❖ Program used to find Web pages pertaining to a specific topic
- 24  The World Wide Web  
1  **What is a hit?**  
2  ❖ Any Web page name that lists as the result of a search
- 25  The World Wide Web  
**What are some widely used search engines?**
- 26  The World Wide Web  
1  **What is a directory?**  
2  ❖ Search tool with organized set of topics and subtopics  
❖ Lets you find information by clicking links rather than entering keywords
- 27  The World Wide Web  
**What are the six basic types of Web pages?**
- 28  The World Wide Web  
1  **What is a portal Web page?**  
2  ❖ Offers a variety of Internet services from a single, convenient location  
❖ Often called a portal
- 29  The World Wide Web  
1  **What is a news Web page?**  
2  ❖ Contains newsworthy material  
❖ Stories and articles relating to current events, life, money, sports, and weather
- 30  The World Wide Web  
1  **What is an informational Web page?**  
2  ❖ Contains facts  
❖ Created by organizations and governments
- 31  The World Wide Web  
1  **What is a business/marketing Web page?**  
2  ❖ Contains content that promotes products  
❖ Allows you to purchase products online
- 32  The World Wide Web  
1  **What is an advocacy Web page?**  
2  ❖ Contains content that describes a cause, opinion, or idea
- 33  The World Wide Web

- 1 **What is a personal Web page?**  
 2 ❖ Web page maintained by private individual  
 ❖ Reasons: sharing life experience with the world
- 34  The World Wide Web  
**What services are often found on a portal?**
- 35  The World Wide Web  
 1 **What is a Web community?**  
 2 ❖ Web site joining specific group of people  
 with similar interests or relationships
- 36  The World Wide Web  
 1 **What is multimedia?**  
 2 ❖ Application integrating text with other media elements
- 37  The World Wide Web  
**What are graphic file formats?**
- 38  The World Wide Web  
 1 **What is a thumbnail?**  
 2 ❖ Small version of a larger graphical image  
 ❖ Usually click thumbnail on Web page to display full-sized image
- 39  The World Wide Web  
 1 **What is animation?**  
 2 ❖ Appearance of motion created by displaying a series of still images in rapid sequence
- 40  The World Wide Web  
 1 **What is audio?**  
 2 ❖ Music, speech, or any other sound  
 ❖ Individual sound files that you download to your computer
- 41  The World Wide Web  
 1 **What are MP3 files?**  
 2 ❖ Compresses audio to one-tenth of original size while preserving quality of sound  
 ❖ Allows for transfer of music over Web
- 42  The World Wide Web  
 1 **What is streaming audio?**  
 2 ❖ Enables you to listen to the sound as it downloads to your computer  
 ❖ Radio stations use streaming audio to broadcast over the Web
- 43  The World Wide Web  
 1 **What is video?**  
 2 ❖ Consists of full-motion images with sound played back at various speeds  
 ❖ MPEG is popular video compression standard
- 44  The World Wide Web  
 1 **What is a Web cam?**  
 2 ❖ Combined video camera and software that outputs video to a Web page
- 45  The World Wide Web  
 1 **What is virtual reality (VR)?**  
 2 ❖ Use of computers to simulate real or imagined environment
- 46  The World Wide Web  
 1 **What is Webcasting?**  
 2 ❖ Delivers information via the Web at regular intervals without user making a request  
 ❖ Also called push technology
- 47  Electronic Commerce

- What is e-commerce?**
- 48  Electronic Commerce  
**What are the three types of e-commerce?**
- 49  Electronic Commerce  
 1 **What are e-commerce features?**  
 2
  - ❖ Electronic storefront
  - ❖ Shopping cart
  - ❖ Online auction
- 50  Web Publishing  
 1 **What is Web publishing?**  
 2
  - ❖ Development and maintenance of Web pages
- 51  Web Publishing  
**How do you deploy a Web site?**
- 52  Other Internet Services  
 1 **What is an e-mail address?**  
 2
  - ❖ Combination of user name and domain name that identifies user so he or she can receive e-mail
- 53  Other Internet Services  
 1 **How can you get e-mail?**  
 2
  - ❖ Obtain e-mail address from school or ISP
  - ❖ Some Web sites, such as hotmail.com, provide e-mail services free of charge
  - ❖ Basic components include:
- 54  Other Internet Services  
**How does an e-mail message travel?**
- 55  Other Internet Services  
 1 **What is FTP?**  
 2
  - ❖ File Transfer Protocol
- 56  Other Internet Services  
 1 **What is a newsgroup?**  
 2
  - ❖ Online area where users conduct written discussions about particular subject
  - ❖ User sends message to newsgroup
  - ❖ Other users in newsgroup read and reply to message
- 57  Other Internet Services  
 1 **What is a message board?**  
 2
  - ❖ Type of discussion group that does not require newsreader
- 58  Other Internet Services  
 1 **What is a chat?**  
 2
  - ❖ Real-time conversation that takes place on a computer
  - ❖ Chat room is location on server that permits users to discuss topics of interest
- 59  Other Internet Services  
 1 **What is instant messaging (IM)?**  
 2
  - ❖ A real-time Internet communications service
- 60  Netiquette  
 1 **What is netiquette?**  
 2
  - ❖ Code of acceptable behaviors users should follow while on the Internet
- 61  Summary of the Internet and World Wide Web  
  - ❖ History of the Internet
  - ❖ How the Internet works
  - ❖ The World Wide Web
  - ❖ Electronic commerce

- ❖ **Web publishing**
- ❖ **Other Internet services**
- ❖ **Netiquette**