Open the door to Cyberworld!
The Online World

- Information Services
- Monthly service charge
- You get:
  - Communications software (including a browser)
  - Username and password
  - User’s guide

Serendipitous Surfing: Magazines
What Is the Internet?

The Net is a worldwide collection of interconnected networks.
Internet History

- ARPANET
  - 1969-1990
- Internet
  - InterNIC
- National Information Infrastructure (NII)

No person or organization governs the Internet!
How do you get on?

- Via *dial-up* connection to an
  - Information Service Gateway (ex: AOL)
  - Internet Service Provider (ISP)
- Via *direct* network connection using a shared high-speed line
Internet Connection Terminology

- Transmission Control Protocol/Internet Protocol (TCP/IP)
- Packets
- Point of Presence (POP)
- Point to Point Protocol (PPP)
Retrieve and View Internet Information

- Browsers
- Internet Explorer
- Netscape
- Client and server programs interact
- The Internet address
- URL identifies location of server site
- Files are downloaded for viewing
URL Breakdown

http://www.prenhall.com/long/computers8e/main.html

- **Access Method**: http
- **Domain Name**: www.prenhall.com
- **Directory**: long/computers8e
- **Filename**: main.html

**HTML = HyperText Markup Language**
URL: Access Methods

http:// Hypertext Transport Protocol

ftp:// File Transfer Protocol

news:// Newsgroups

gopher:// Gopher menu tree
### URL: Domain Name Types

<table>
<thead>
<tr>
<th>ID</th>
<th>Affiliation</th>
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<tbody>
<tr>
<td>.com</td>
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<tr>
<td>.org</td>
<td>Nonprofit Organizations</td>
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Are you addicted to the Net?
Browsers

- Web Site
- Page and Home page
- Portals and Search Engines
- Hypertext and Hyperlinks
- Add-ons (video, animation, etc.)
- Applets
- HTML (HyperText Markup Language)
Browser Elements

- Workspace
- Menu Bar
- Toolbar
- Status Bar

File   Edit   View   Favorites   Tools   Help
Back   Forward   Stop   Refresh   Home   Search   Favorites   History

http://www.lycos.com/network/
Browsing the Net - start with a *portal*

- Search Engines
  - Keyword searches
  - Search rules
  - Try another search engine
  - Follow hyperlinks
  - BE PERSISTENT!

- FAQs
Internet Applications

The Web
- User-friendly
- Multimedia
- Hyperlinks
- Interactive (radio buttons, text boxes)
- Frames

FTP
- File Transfer Protocol
- Anonymous FTP

Gopher
Telnet

Going Online
Webcasting

- Radio broadcasting
- Real-time audio streaming
- Pull vs. push technology
Communicating With People: e-mail

- Username@domain or e-mail server
  - president@whitehouse.gov
  - bsmith@abccorporation.com
- The e-mail message
  - To (optional CC: and/or BCC:)
  - Subject
  - Message
  - Attached file(s)
- E-mail response options
  - Reply
  - Reply to all
  - Forward
- Post Office Protocol
Internet Applications

- USENET
  - Newsgroups
    - Bulletin boards
    - Threads
- Mailing Lists or Listservs
- Internet Relay Chat
- Audio Mail

- Internet Telephone
  - User Location Service
  - Conferencing
  - Whiteboarding
  - Application Sharing

- Videoconferencing
Internet Issues

- E-Commerce
- Firewalls
- Flaming
- Spam & Spamming

Telecommuting
End of Chapter 7