

OBJECTIVES OVERVIEW

Identify and briefly
describe various
broadband Internet
connections

Describe the types of Internet access providers Explain the purpose of a Web browser and identify the components of a Web address

Describe how to use a search engine to search for information on the Web

Describe the types of Web sites

OBJECTIVES OVERVIEW

Recognize how Web pages use graphics, animation, audio, video, virtual reality, and plugins

Identify the steps required for Web publishing

Explain how e-mail, mailing lists, instant messaging, chat rooms, VoIP, FTP, and newsgroups and message boards work

Identify the rules of netiquette

The Internet is a worldwide collection of networks that links millions of businesses, government agencies, educational institutions, and individuals



The Internet originated as ARPANET in September 1969 and had two main goals:

Allow scientists at different physical locations to share information and work together

Function even if part of the network were disabled or destroyed by a disaster



Many home and small business users connect to the Internet via high-speed broadband Internet service



An access provider is a business that provides individuals and organizations access to the Internet free or for a fee

ISP (Internet service provider)

Regional ISPs provide Internet access to a specific geographical area

National ISPs provide Internet access in cities and towns nationwide

Online service provider (OSP)

Has many members-only features

Popular OSPs include AOL (America Online) and MSN (Microsoft Network) Wireless Internet service provider (WISP)

> Provides wireless Internet access to computers and mobile devices

May require a wireless modem



An IP address is a number that uniquely identifies each computer or device connected to the Internet
A domain name is the text version of an IP address
Top-level domain (TLD)



Examples of Generic Top-Level Domains

Generic TLD	Intended Purpose	Gene
aero	Aviation community members	r
biz	Businesses of all sizes	m
cat	Catalan cultural community	
com	Commercial organizations, businesses, and companies	mus na
соор	Business cooperatives such as credit unions and rural electric co-ops	n
edu	Educational institutions	0
gov	Government agencies	p
info	Business organizations or	
	individuals providing general information	t
jobs	Employment or human resource businesses	tra

Generic TLD	Intended Purpose
mil	Military organizations
mobi	Delivery and management of mobile Internet services
museum	Accredited museums
name	Individuals or families
net	Network providers or commercial companies
org	Nonprofit organizations
pro	Certified professionals such as doctors, lawyers, and accountants
tel	Internet communications
travel	Travel industry

The World Wide Web, or Web, consists of a worldwide collection of electronic documents (Web pages)

A Web site is a collection of related Web pages and associated items

A Web server is a computer that delivers requested Web pages to your computer

Web 2.0 refers to Web sites that provide a means for users to interact



A Web browser, or browser, allows users to access Web pages and Web 2.0 programs





A home page is the first page that a Web site displays Web pages provide links to other related Web pages

Surfing the Web

Downloading is the process of receiving information



A Web page has a unique address called a URL or Web address





Tabbed browsing allows you to open and view multiple Web pages in a single Web browser window



Two types of search tools are search engines and subject directories



Widely Used Search Tools				
Search Tool	Web Address	Search Engine	Subject Directory	
A9	a9.com	Х		
AlltheWeb	alltheweb.com	Х		
AltaVista	altavista.com	Х		
AOL Search	search.aol.com	Х		
Ask	ask.com	Х		
Bing	bing.com	Х		
Cuil (pronounced cool)	cuil.com	Х		
Dogpile	dogpile.com	Х		
Excite	excite.com	Х	Х	
Gigablast	gigablast.com	Х	Х	
Google	google.com	Х	Х	
Lycos	lycos.com	Х		
MSN	msn.com	Х	Х	
Open Directory Project	dmoz.org	Х	Х	
WebCrawler	webcrawler.com	Х		
Yahoo!	yahoo.com	Х	Х	

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A search engine is helpful in locating items such as:



How to Use a Search Engine Step 1 Type the search engine's Web address (in this case, google.com) in the Address bar in the Web browser. Press the ENTER key. When the Google home page is displayed, type Aspen Colorado ski resorts as the search text and then point to the Google Search button.	
Source Explore Source Explore Address bar · +r × Source Explore Content Source Explore Content Source Explore Content Source Source Explore Content Source	
Address bar + r + r + r + r + r + r + r + r + r +	
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Step 4	
Inks to skiing in Aspen. displayed, scroll through the links and read the descriptions. Point to the Aspen Snowmass link. Image: Approximate Workshow Reveal Workshow Reveal Workshow Reveal Workshow Reveal Workshow Reveal Workshow Reveal Control of the Unit of the Aspen Snowmass link. Image: Approximate Workshow Reveal Workshow Reveal Workshow Reveal Control of the Aspen Snowmass link. Image: Approximate Workshow Reveal Workshow Reveal Control of the Aspen Snowmass link. Image: Approximate Reveal Workshow Reveal Control of the Aspen Snowmass link Reveal Workshow Reveal Control of the Aspen Snowmass link Reveal Workshow Reveal Control of the Aspen Snowmass link Reveal Workshow Reveal Control of the Aspen Snowmass link Reveal Workshow Reveal Control of the Aspen Snowmass link Reveal Workshow Reveal Control of the Aspen Snowmass link Reveal Workshow Reveal Control of the Aspen Snowmass link Reveal Workshow Reveal Control of the Aspen Snowmass link Reveal Workshow Reveal Control of the Aspen Snowmass link Reveal Workshow Reveal Control of the Aspen Snowmass link Reveal Control of the Aspen Snowmass link Reveal	
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There are thirteen types of Web sites



Portal



News



Informational



Business/Marketing





Entertainment



Advocacy



Web Application



Information presented on the Web must be evaluated for accuracy No one oversees the content of Web pages

Criteria for Evaluating a Web Site's Content Evaluation Criteria **Reliable Web Sites** Affiliation A reputable institution should support the Web site without bias in the information. The Web site should be written at an Audience appropriate level. The Web site should list the author and the Authority appropriate credentials. Content The Web site should be well organized and the links should work. The information on the Web page should be Currency current. The pages at the Web site should download Design quickly, be visually pleasing, and easy to navigate. Objectivity The Web site should contain little advertising and be free of preconceptions.

Multimedia refers to any application that combines text with:

