# Lecture 3 Application Software

Ameer Kadhim Hadi Faculty of IT college Network Department University Of Babylon it.info.networks@gmail.com

### **Objectives Overview**

### Identify the four categories of application software

### Describe characteristics of a user interface

Identify the key features of widely used business programs Identify the key features of widely used graphics and multimedia programs

### **Objectives Overview**

Identify the key features of widely used home, personal, and educational programs

### Discuss Web applications

Identify the types of application software used in communications

Describe the learning aids available for application software

 Application software consists of programs designed to make users more productive and/or assist with personal tasks

To make business activities more efficient

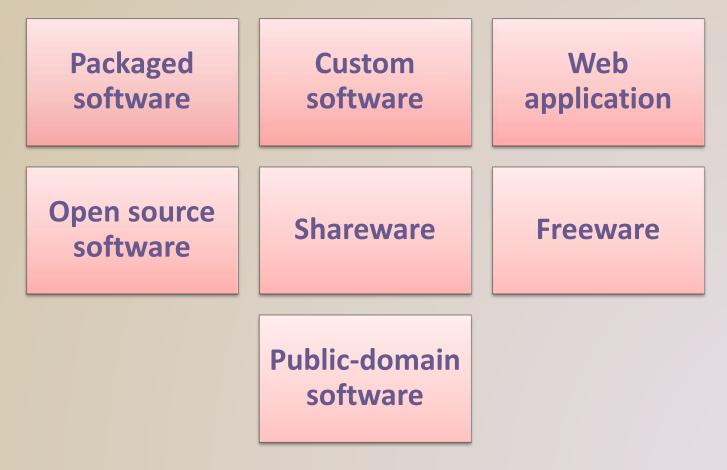
To assist with graphics and multimedia projects

To support home, personal, and educational tasks

To facilitate communications

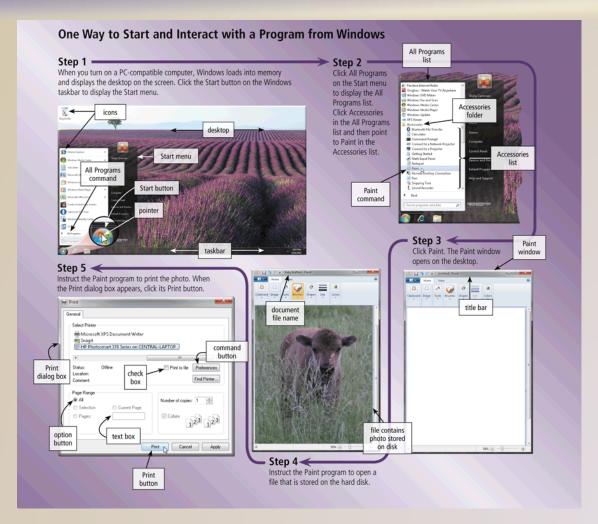
#### Four Categories of Application Software Graphics and Multimedia Home/Personal/Educational Business Word Processing Computer-Aided Software Suite (for Personal Use) Spreadsheet Design (CAD) Personal Finance Database Desktop Publishing Legal action analy (for the Professional) Tax Preparation Presentation Desktop Publishing Note Taking Paint/Image Editing Personal Information (for the Professional) (for Personal Use) Manager (PIM) Photo Editing (for the Paint/Image Editing Business Software for Phones Professional) (for Personal Use) Business Software Suite Video and Audio Editing Photo Editing and Photo Management (for the Professional) (for Personal Use) Project Management Accounting Multimedia Authoring Clip Art/Image Gallery Video and Audio Editing (for Personal Use) Document Management Web Page Authoring Enterprise Computing Home Design/Landscaping Travel and Mapping Reference and Educational Entertainment Communications Web Browser F-Mail Instant Messaging Chat Room Text, Picture, Video Messaging • Newsgroup/Message Board FTP VoIP Video Conferencing RSS Aggregator Blogging

• Available in a variety of forms:



- System software serves as the interface between the user, the application software, and the computer's hardware
  - Utility programs

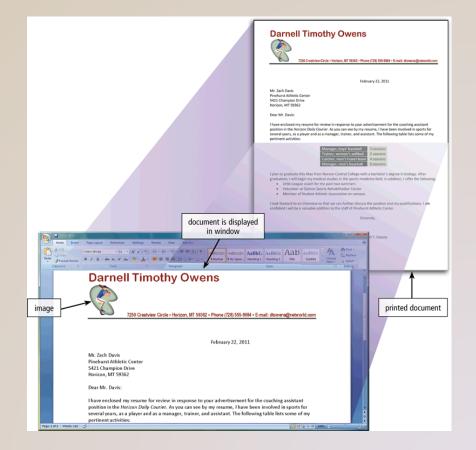




 Business software is application software that assists people while performing business activities

Word Processing	Spreadsheet	Database	Presentation
Note taking	Personal	Business	Business
	information	software for	software
	manager	phones	suites
Project	Accounting	Document	Enterprise
management		management	computing

- Word processing software allows users to create and manipulate documents
- Clip art is a collection of electronic drawings, photos, and other images



Developing a document

- Enter text and numbers
- Insert images
- Perform other documents

# **Create** a document

# **Edit** a document

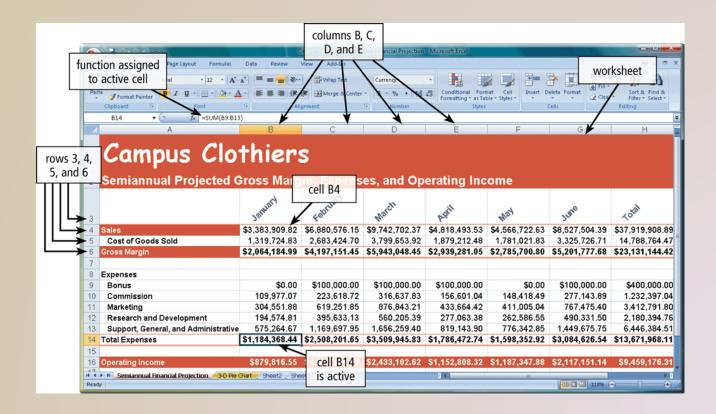
- Make changes to existing content
- Inserting, deleting, cutting, copying, and pasting

• Change appearance

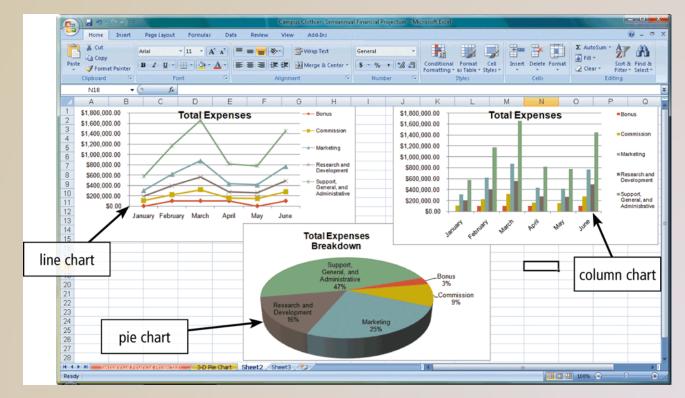
- Font
- Font size

Format a document

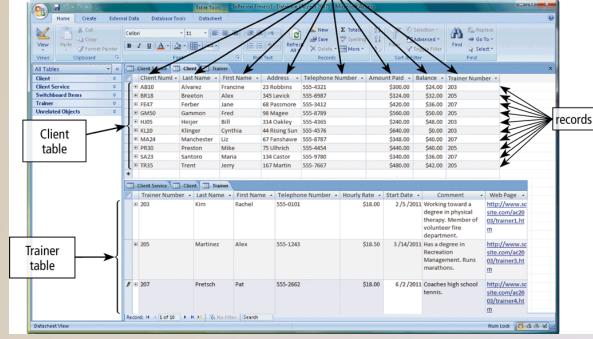
 Spreadsheet software allows users to organize data in rows and columns and perform calculations



 Charting depicts data in a spreadsheet in graphical form



- A database is a collection of data organized in a manner that allows access, retrieval, and use of that data
  - Database software allows users to create, access, and manage a database

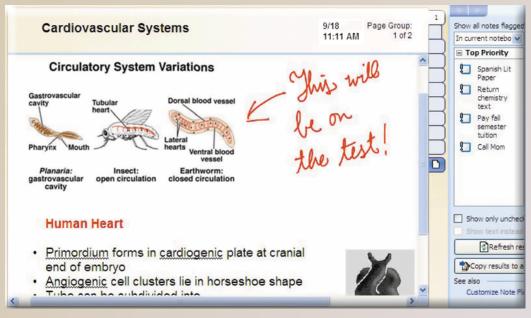


 Presentation software allows users to create visual aids for presentations to communicate ideas, messages, and other information to a group



 Note taking software is application software that enables users to enter typed text, handwritten comments, drawings, or sketches anywhere on a





- A software suite is a collection of individual programs available together as a unit
- A personal information manager (PIM) is application software that includes





**Project management software** allows a user to plan, schedule, track, and analyze the events, resources, and costs of a project



Accounting software helps companies record and report their financial transactions



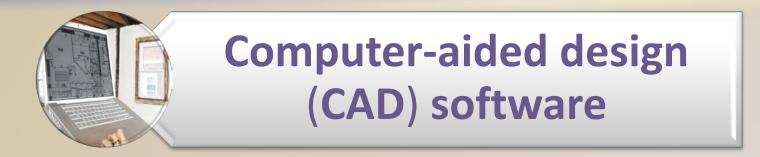
**Document management software** provides a means for sharing, distributing, and searching through documents by converting them into a format that can be viewed by any user

 Enterprises typically require special computing solutions for various functional units



#### **Popular Graphics and Multimedia Software**

pplication oftware	Manufacturer	Program Name		Application Software	Manufacturer	Program Name
omputer-Aided		Video and Audio	Adobe	Audition		
Design (CAD)	Chief Architect	Chief Architect		Editing (for the		Premiere Pro Soundbooth
	Microsoft	Visio		Professional)	Avid Technology	Avid Media Compos
Desktop	Adobe	InDesign			57	
Publishing	Corel	Ventura			Cakewalk	SONAR
(for the	Quark	QuarkXPress			Sony	ACID Pro
Professional)		QuarkAriess		Multimedia	Adobe	Director
Paint/Image	Adobe	Illustrator		Authoring	Agilix	GoCourse
Editing (for the	Corel	Painter			SumTotal Systems	ToolBook Instructor
Professional)	Microsoft	Expression Design		Web Page	Adobe	Dreamweaver
Photo Editing	Adobe	Photoshop		Authoring		Fireworks
(for the	Arcadia	PhotoPerfect Ultimate				Flash
Professional)	Nik Software	Nik Professional Suite			Microsoft	Expression Web SharePoint Designer





### Desktop publishing software

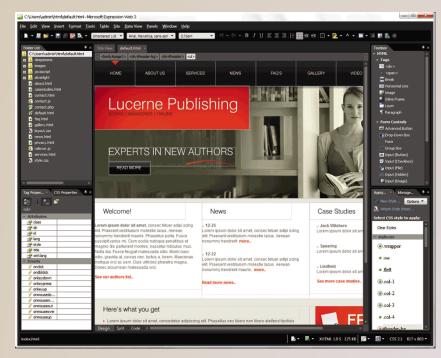








 Web page authoring software helps users of all skill levels create Web pages that include multimedia and interactive content







# **Tax preparation software**

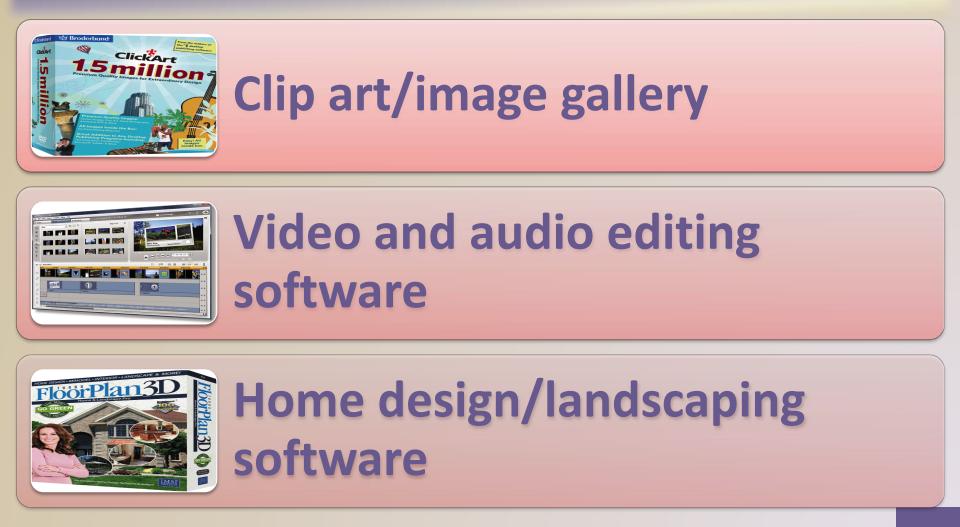




# Personal paint/image editing software



# Personal photo editing software







### **Reference software**



### **Educational software**



### **Entertainment software**

# **Web Applications**

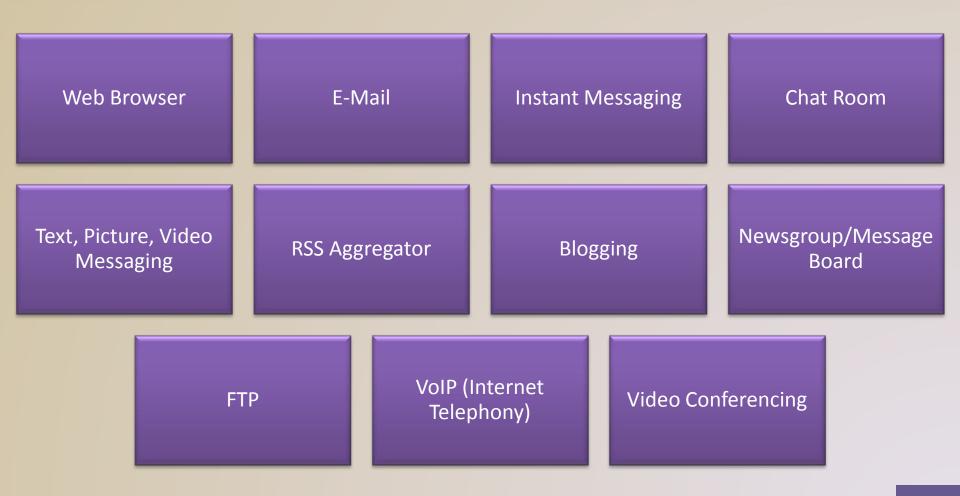
 A Web application (Web app) is a Web site that allows users to access and interact with software from any computer or device that is connected to the Internet

Popular Web App	lications		
Program Name	Type of Application Software	Program Name	Type of Application Software
Britannica.com	Reference	MSN Encarta	Reference
Dictionary.com	Reference	Photoshop Express	Photo Editing
Flickr	Photo Editing and Photo	Picnik	Photo Editing
	Management	TaxACT Online	Tax Preparation
Gmail	E-Mail	TurboTax Online	Tax Preparation
Google Docs	Productivity Suite	Windows Live Calendar	Personal Information Manager
Google Earth	Travel and Mapping	Windows Live Hotmail	E-Mail
Google Maps	Travel and Mapping	YouSendIt	File Transfer and E-Mail

# **Web Applications**

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Go	ogle Docs					<u>Nev</u>	w features   Docs	Home   Help   Sig
car	mpus clothiers semiannual financia	al					Share -	Autosaved on 10:2
File	e Edit View Format Insert Tools	Form Help						
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	·····							
2	Campus Clo Semiannual Projected (			nses, and	Operatin	g Income		
2 3 4	Semiannual Projected (	Gross Mai January	r <mark>gin, Expe</mark> February	March	April	Мау	June \$8,527,504.39	<b>Total</b> \$37,919,908.
3	Semiannual Projected ( Sales Cost of Goods Sold	Gross Mai January \$3,383,909.82 1,319,725	rgin, Expe February \$6,880,576.15 2,683,425	March \$9,742,702.37 3,799,654	April \$4,818,493.53 1,879,212	May \$4,566,722.63 1,781,022	\$8,527,504.39 3,325,727	\$37,919,908 14,788,7
3 4 5 6	Semiannual Projected ( Sales Cost of Goods Sold	Gross Mai January \$3,383,909.82 1,319,725	rgin, Expe February \$6,880,576.15 2,683,425	March \$9,742,702.37 3,799,654	April \$4,818,493.53 1,879,212	May \$4,566,722.63 1,781,022	\$8,527,504.39	\$37,919,908 14,788,7
3 4 5 6 7	Semiannual Projected ( Sales Cost of Goods Sold Gross Margin	Gross Mai January \$3,383,909.82 1,319,725	rgin, Expe February \$6,880,576.15 2,683,425	March \$9,742,702.37 3,799,654	April \$4,818,493.53 1,879,212	May \$4,566,722.63 1,781,022	\$8,527,504.39 3,325,727	\$37,919,908 14,788,7
3 4 5 6 7 8	Semiannual Projected ( Sales Cost of Goods Sold Gross Margin Expenses	Gross Mai January \$3,383,909.82 1,319,725 \$2,064,184.99	rgin, Expe February \$6,880,576.15 2,683,425 \$4,197,151.45	March \$9,742,702.37 3,799,654 \$5,943,048.45	April \$4,818,493.53 1,879,212 \$2,939,281.05	May \$4,566,722.63 1,781,022 \$2,785,700.80	\$8,527,504,39 3,325,727 \$ <b>5,201,777.68</b>	\$37,919,908. 14,788,7 \$ <b>23,131,144</b> .
3 4 5 6 7 8 9	Semiannual Projected ( Sales Cost of Goods Sold Gross Margin Expenses Bonus	Gross Mai January \$3,383,909.82 1,319,725 \$2,064,184.99 \$0.00	rgin, Expe February \$6,880,576.15 2,683,425 \$4,197,151.45 \$100,000.00	March \$9,742,702.37 3,799,654 \$5,943,048.45 \$100,000.00	April \$4,818,493.53 1,879,212 \$2,939,281.05 \$100,000.00	May \$4,566,722.63 1,781,022 \$2,785,700.80 \$0.00	\$8,527,504.39 3,325,727 \$ <b>5,201,777.68</b> \$100,000.00	\$37,919,908. 14,788,7 \$ <b>23,131,144</b> . \$400,000.
3 4 5 6 7 8 9 10	Semiannual Projected ( Sales Cost of Goods Sold Gross Margin Expenses Bonus Commission	Gross Mai January \$3,383,909.82 1,319,725 \$2,064,184.99 \$0.00 109,977	rgin, Expe February \$6,880,576.15 2,683,425 \$4,197,151.45 \$100,000.00 223,619	March \$9,742,702.37 3,799,654 \$5,943,048.45 \$100,000.00 316,638	April \$4,818,493.53 1,879,212 \$2,939,281.05 \$100,000.00 156,601	May \$4,566,722.63 1,781,022 \$2,785,700.80 \$0.00 148,418	\$8,527,504.39 3,325,727 \$ <b>5,201,777.68</b> \$100,000.00 277,144	\$37,919,908. 14,788,7 \$ <b>23,131,144</b> . \$400,000. 1,232,3
3 4 5 6 7 8 9 10 11	Semiannual Projected ( Sales Cost of Goods Sold Gross Margin Expenses Bonus Commission Marketing	Gross Mai January \$3,383,909.82 1,319,725 \$2,064,184.99 \$0.00 109,977 304,552	rgin, Expe February \$6,880,576.15 2,683,425 \$4,197,151.45 \$100,000.00 223,619 619,252	March \$9,742,702.37 3,799,654 \$5,943,048.45 \$100,000.00 316,638 876,843	April \$4,818,493.53 1,879,212 \$2,939,281.05 \$100,000.00 156,601 433,664	May \$4,566,722.63 1,781,022 \$2,785,700.80 \$0.00 148,418 411,005	\$8,527,504,39 3,325,727 \$ <b>\$5,201,777.68</b> \$100,000,00 277,144 767,475	\$37,919,908. 14,788,7 \$23,131,144. \$400,000. 1,232,3 3,412,7
3 4 5 6 7 8 9 10	Semiannual Projected ( Sales Cost of Goods Sold Gross Margin Expenses Bonus Commission Marketing Research and Development	Gross Mai January \$3,383,909.82 1,319,725 \$2,064,184.99 \$0.00 109,977 304,552 194,575	rgin, Expe February \$6,880,576.15 2,683,425 \$4,197,151.45 \$100,000.00 223,619 619,252 395,633	March \$9,742,702.37 3,799,654 \$5,943,048.45 \$100,000.00 316,638 876,843 560,205	April \$4,818,493.53 1,879,212 \$2,939,281.05 \$100,000.00 156,601 433,664 277,063	May \$4,566,722.63 1,781,022 \$2,785,700.80 \$0.00 148,418 411,005 262,587	\$8,527,504,39 3,325,727 \$ <b>\$5,201,777.68</b> \$100,000,00 277,144 767,475 490,332	\$37,919,908. 14,788,7 \$23,131,144. \$400,000. 1,232,3 3,412,7 2,180,3
3 4 5 6 7 8 9 10 11 12	Semiannual Projected ( Sales Cost of Goods Sold Gross Margin Expenses Bonus Commission Marketing	Gross Mai January \$3,383,909.82 1,319,725 \$2,064,184.99 \$0.00 109,977 304,552 194,575 \$75,265	rgin, Expe February \$6,880,576.15 2,683,425 \$4,197,151.45 \$100,000.00 223,619 619,252 395,633 1,169,698	March \$9,742,702.37 3,799,654 \$5,943,048.45 \$100,000.00 316,638 876,843 560,205 1,656,259	April \$4,818,493.53 1,879,212 \$2,939,281.05 \$100,000.00 156,601 433,664 277,063 819,144	May \$4,566,722.63 1,781,022 \$2,785,700.80 \$0.00 148,418 411,005 262,587 776,343	\$8,527,504,39 3,325,727 \$ <b>\$5,201,777.68</b> \$100,000,00 277,144 767,475 490,332	\$37,919,908. 14,788,7 \$23,131,144. \$400,000. 1,232,3 3,412,7 2,180,3 6,446,3
3 4 5 6 7 8 9 10 11 12 13 14	Semiannual Projected ( Sales Cost of Goods Sold Gross Margin Expenses Bonus Commission Marketing Research and Development Support, General, and Administrative	Gross Mai January \$3,383,909.82 1,319,725 \$2,064,184.99 \$0.00 109,977 304,552 194,575 \$75,265	rgin, Expe February \$6,880,576.15 2,683,425 \$4,197,151.45 \$100,000.00 223,619 619,252 395,633 1,169,698	March \$9,742,702.37 3,799,654 \$5,943,048.45 \$100,000.00 316,638 876,843 560,205 1,656,259	April \$4,818,493.53 1,879,212 \$2,939,281.05 \$100,000.00 156,601 433,664 277,063 819,144	May \$4,566,722.63 1,781,022 \$2,785,700.80 \$0.00 148,418 411,005 262,587 776,343	\$8,527,504,39 3,325,727 \$ <b>5,201,777.68</b> \$100,000,00 277,144 767,475 490,332 1,449,676	\$37,919,908. 14,788,7 \$23,131,144. \$400,000. 1,232,3 3,412,7 2,180,3 6,446,3
3 4 5 6 7 8 9 10 11 11 12 13	Semiannual Projected ( Sales Cost of Goods Sold Gross Margin Expenses Bonus Commission Marketing Research and Development Support, General, and Administrative	Gross Mai January \$3,383,909.82 1,319,725 <b>\$2,064,184.99</b> \$0.00 109,977 304,552 194,575 575,265 <b>\$1,184,368.44</b>	rgin, Expe February \$6,880,576.15 2,683,425 \$4,197,151.45 \$100,000.00 223,619 619,252 395,633 1,169,698 \$2,508,201.65	March \$9,742,702.37 3,799,654 \$5,943,048.45 \$100,000.00 316,638 876,843 560,205 1,656,259 \$3,509,945.83	April \$4,818,493.53 1,879,212 \$2,939,281.05 \$100,000.00 156,601 433,664 277,063 819,144 \$1,786,472.74	May \$4,566,722.63 1,781,022 \$2,785,700.80 \$0.00 148,418 411,005 262,587 776,343 \$1,598,352.92	\$8,527,504,39 3,325,727 \$ <b>5,201,777.68</b> \$100,000,00 277,144 767,475 490,332 1,449,676	\$37,919,908. 14,788,7 \$23,131,144. \$400,000. 1,232,3 3,412,7 2,180,3 6,446,3 \$13,671,968.

### **Application Software for Communications**



# **Learning Tools for Application Software**

- Online Help is the electronic equivalent of a user manual
- You can ask a question or access the Help topics in subject or alphabetical order

	- 🔎 Search
PowerPoint Help and How-to	
Browse PowerPoint H	elp
What's new	Getting help
Activating PowerPoint	Customizing
File management	Creating a presentation
Format slides or presentations	Working with graphics and charts
Using templates and masters	Deliver, distribute, or publish a presentation
Creating support materials	Animation effects
Add sounds or movies	Import content from other applications
Import content from other PowerPoint versions	Work with photo albums
Review and add comments to a presentation	Saving and printing
Collaboration	Accessibility
Security and privacy	Working in a different language
Add-ins	Macros
Quizzes	PowerPoint Demos

# **Learning Tools for Application Software**

- Web-based training is a type of CBT that uses Internet technology and consists of application software on the Web
- Distance learning (DL) is the delivery of education at one location while the learning takes place at other locations



### **Summary**

# How to start and interact with application software

Overview of a variety of business software, graphics and multimedia software, and home/personal/educational software, and communications software

#### Web applications

Learning tools for application software