



Application Software

Graphics and Multimedia Software

- Power users such as engineers, architects, desktop publishers and graphic artists often used sophisticated software that allow them to work with graphics and multimedia.

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

Graphics and Multimedia Software

- The programs often cost several hundred dollars or more.
- Many graphics and multimedia programs incorporate user-friendly interfaces and/or have scaled-down versions, making it possible for the home users to create documents.

Computer-Aided Design

- **Computer-aided design (CAD) software** is a sophisticated type of application software that assists a professional user in creating engineering, architectural, and scientific designs.
- CAD software eliminates the laborious manual drafting that design processes can require.

Desktop Publishing Software

- **Desktop publishing (DTP) software** enables professional designers to create sophisticated documents that contain text, graphics, and many colors.
- Used for making high-quality color documents like textbooks, corporate newsletters, marketing literature, product catalogs, and annual reports.

Desktop Publishing Software

- Professional designers use DTP software because it supports *page layout*, which is the process of arranging text and graphics in a document on a page-by-page basis.
- DTP software includes a *color library*, which is a standard set of colors used by designers and printers to ensure that the colors will print exactly as specified.

Paint/Image Editing Software

- **Paint software**, also called *illustration software*, allows users to draw pictures, shapes, and other graphical images with various on-screen tools such as a pen, brush, eyedropper, and paint bucket.
- **Image editing software** provides the capabilities of paint software and also includes the capability to enhance and modify existing images and pictures.

Photo Editing Software

- **Professional photo editing software** is a type of image editing software that allows photographers, videographers, engineers, scientists, and other high-volume digital photo users to edit and customize digital photos.
- Can be used for retouching, cropping, removing red-eye, color corrections, and filters.

Video and Audio Editing Software

- **Video editing software** allows professionals to modify a segment of a video, called a clip.
- Users can reduce the length of a video clip, reorder a series of clips, or add special effects.

Video and Audio Editing Software

- **Audio editing software** lets users modify audio clips, produce studio-quality soundtracks, and add audio to video clips.
- Often includes *filters*, which are designed to enhance audio quality.

Multimedia Authoring Software

- **Multimedia authoring software** allows users to combine text, graphics, audio, video, and animation in an interactive application.
- They often take the form of interactive presentations, once completed.

Web Page Authoring Software

- **Web page authoring software** helps users of all skill levels create Web pages that include graphical images, video, audio, animation, and other special effects with interactive content.
- They allow you to organize, manage, and maintain Web sites.



Software for Home, Personal, and Educational Use

- A large amount of software is designed specifically for home, personal, or educational use.
- This software is usually inexpensive, less than \$100, and sometimes free.

Personal Finance Software

- **Personal finance software** is a simplified accounting program that helps home users and small office/home office users balance their checkbooks, pay bills, track personal income and expenses, set up budgets, etc.
- Reports can summarize transactions by category, payee, or by time.
- Offers financial planning features as well.

Personal Finance Software

- Most offer a variety of online services.
 - Users can track investments online, compare insurance rates, and bank online.
- **Online banking** offers access to account balances, provides bill payment services, and allows you to download monthly transactions and statements.

Legal Software

- **Legal software** assists in the preparation of legal documents and provides legal information to individuals, families, and small businesses.
- It provides standard contracts and documents associated with buying, selling, and renting property; estate planning; marriage and divorce; and preparing a will or living trust.

Tax Preparation Software

- **Tax preparation software**, which is available both as packaged software and as Web applications, can guide individuals, families, or small businesses through the process of filing federal taxes.
- After you complete a series of questions and forms, the software will search for errors and deduction opportunities.

Desktop Publishing Software

- Many home and small business users work with simpler DTP software.
- **Personal DTP software** helps home and small business users create newsletters, brochures, flyers, advertisements, postcards, greeting cards, etc.

Paint/Image Editing Software

- **Personal paint/image editing software** provides an easy-to-use interface, usually with more simplified capabilities than its professional counterpart, including functions tailored to meet the needs of the home and small business user.

Photo Editing and Photo Management Software

- **Personal photo editing software** allows users to edit digital photos by removing red-eye, erasing blemishes, restoring aged photos, adding special effects, enhancing image quality, or creating electronic photo albums.
- With *photo management software*, you can view organize, sort, catalog, print, and share digital photos.

Clip Art/Image Gallery

- Application software often includes a **clipart/image gallery**, which is a collection of clip art and photos.
- Some also include fonts, animations, sounds, video clips, and audio clips.

Video and Audio Editing Software

- Many home users work with easy-to-use video and audio editing software, which is much simpler to use than its professional counterpart.
- Some operating systems include video editing and audio editing software.

Home Design/Landscaping Software

- Homeowners or potential homeowners can use **home design/landscaping software** to assist them with the design, remodeling, or improvement of a home, deck, or landscape.
- It includes hundreds of predrawn plans that you can customize to meet your needs.

Travel and Mapping Software

- **Travel and mapping software** enables users to view maps, determine route directions, and locate points of interest.
- It is available both as packaged software and as Web applications.
- You can display maps by searching for an address, postal code, telephone number, or point of interest.
- This software often provides driving instructions, construction reports, and calculates mileage, time, and expenses.

Reference and Educational Software

- **Reference software** provides valuable and thorough information for all individuals.
 - Encyclopedias, dictionaries, and health/medical guides.
- **Educational software** is software that teaches a particular skill.
- Used in grade schools and often include games and other content to make the learning experience more fun.

Reference and Educational Software

- **Computer-based training (CBT)**, also called computer-aided instruction (CAI), is a type of education in which students learn by using and completing exercises with instructional software.
- The military and airlines use CBT simulations to train pilots to fly in various conditions and environments.

Entertainment Software

- **Entertainment software** for personal computers, game consoles, and mobile devices includes interactive games, videos, and other programs designed to support a hobby or provide amusement and enjoyment.
 - Games, family trees, flight simulators.

Web Applications

- A Web application, or *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.
- Users interact with Web apps directly at the Web site, referred to as the host, through their Web browser.

Web Applications

- Web apps often store users' data and information on their servers, which is sometimes called *cloud storage*.
- Thousands of games are available as Web apps.

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

Application Software for Communications

- One of the main reasons people use computers is to communicate and share information with others.
- Web browser; e-mail; instant messaging; chat room; text, picture, video messaging; RSS aggregator, blogging, newsgroup/message board, ftp, and video conferencing.

Learning tools for Application Software

- **Online Help** is the electronic equivalent of a user manual.
- When working with a program, you can use online Help to ask a question or access the Help topics.
- *Web-based Help* provides updates and more comprehensive resources to respond to technical issues about software.

Web-Based Training

- **Web-based training (WBT)** is a type of computer-based training that uses Internet technology and consists of application software on the Web.
- WBT is popular in business, industry, and schools for teaching new skills or enhancing existing skills.
- Many Web sites offer WBT to the general public.

Web-Based Training

- **Distance learning (DL)** is the delivery of education at one location while the learning takes place at other locations.
- *E-learning*, short for electronic learning, is the delivery of education via some electronic method such as the Internet, networks, or optical discs.