



### Proprietary application software

- Such specific software programs developed for a particular company by a vendor are called **contract software**



### General-purpose, off-the-shelf application programs

- they support general types of processing
- rather than being linked to any specific business function.
- This type of software consists of nine widely used packages:
- spreadsheet, data management, word processing, desktop publishing, graphics, multimedia, communications, speech-recognition software, and groupware.



### General-purpose, off-the-shelf application programs

- Software suites combine some of these packages and integrate their functions.
- The most common software suite is Microsoft office.
- Off-the-shelf may be customizable.
- Special purpose programs or "packages" can be tailored for a specific purpose,
- such as inventory control or payroll.



### Word Processing Packages

- Word processing software is used to create, manipulate, and print documents.
- Documents can be any kind of text material.
- Some examples of documents are letters, memos, term papers, reports, and contracts.



### Word Processing Packages

- Popular word processing packages include WordPerfect, MS-Word, and MacWrite.
- These word processing packages allow users to do the following interesting features:



### Word Processing Packages

- **Search/Replace:** A search command allows users to find any word or number that users know exists in the document
- The replace command automatically replaces the word users search for with another word.
- The search and replace commands are useful for finding and fixing errors.



### Word Processing Packages

- **Mail Merge:** This feature allows users to merge different names and addresses so that users can mail out the same form letter to different people.
- **Thesaurus:** These programs enable users to quickly find the right word or an alternative word by presenting users with an on-screen thesaurus.



### Word Processing Packages

- **Spelling Checker:** A spelling-checker program can check spelling errors in a document automatically.
- **Desktop Publishing:** This feature enables users to mix text and graphics to produce newsletters and other publications of nearly professional quality.



### Word Processing Packages

- **Grammar/Style Checker:** These programs can be used to identify and correct grammar and punctuation errors.
- **Importing:** Files may be retrieved from nontext programs such as spreadsheets and graphics and added to the word processing program.



### Spreadsheet Packages

- A spreadsheet is an electronic worksheet used to organize and manipulate numbers and display options for what-if analysis.
- The electronic spreadsheet has rows and columns.



### Spreadsheet Packages

- Users can manipulate numbers by using stored formulas and calculate different outcomes.
- A spreadsheet has several parts.
- The *worksheet* area of the spreadsheet has *column headings* across the top and *row headings* down the left-hand side.



### Spreadsheet Packages

- The intersection of a column and row is called a *cell*.
- The cell holds a unit of information.
- The position of a cell is called the *cell address*.
- Popular electronic spreadsheet packages include Lotus 1-2-3, Quattro Pro, and Excel.



No	FIRST NAME	OTHER NAMES	SURNAME	SIN	TEST 1
1	Esther		Siyemeto	11385021	18.5
2	Mubanga		Mubanga	11376293	30
3	Rangwa		Kawanga	11366963	30.5
4	Rabeca		Nasama	10214328	30.5
5	Mwonga		Mulenga	11371864	33
6	Mulenga		Songwe	11359892	16.5
7	Jehaph		Nkhata	11433603	22.5
8	Danny		Tundwe	11411382	21
9	Ngandu		Maviya	11426653	21
10	Wendy	Mumunga	Chifwelu	11414552	25
11	Chungu	Expenditor	Kaunda	11420872	21
12	Myrrh	Esther	Kunda	11411727	22.5
13	Lombe	Mervin	Malekani	11397089	21.5
14	Emmanuel		Sakala	11407318	27.5
15	Abraham		Ng'onga	11365415	35
16	Abraham		Lengwe	11433526	17

## Spreadsheet Packages

- Some common features of spreadsheet programs are as follows:
- **Formulas:** The major benefit of spreadsheets is that users can manipulate data by using formulas.
- They make connections between numbers in particular cells.

## Spreadsheet Packages

- **Recalculation:** If users change one or more numbers in the spreadsheet,
- all related formulas will recalculate automatically.
- **Graphic Data Display:** Spreadsheets, allow users to display numerical information as pie charts or bar charts

## Spreadsheet Packages

- **Consolidation Feature:** Data may be consolidated from several small worksheets into one large worksheet.
- Thus, users can work with small worksheets, which are more manageable, and summarize the data on a large worksheet.

## Spreadsheet Packages

- **Dynamic File Links:** Some software offers dynamic file links,
- which allow users to link cells in one worksheet file to cells in other worksheet files.
- Whenever a change occurs in one file, the linked cells in the other files are automatically updated.

## Database Management Packages

- A *database* is a large collection of data entered a computer system and stored for future use.
- The computerized information in the database is organized so that the parts that have something in common can be retrieved easily.
- Most DBMS packages can perform four primary tasks:

### Database Management Packages

- **Database Development:** Define and organize the content, relationships, and structure of the data needed to build a database.
- **Database Interrogation:** Access the data in a database for information retrieval and report generation.



### Database Management Packages

- **Database Maintenance:** Add, delete, update, correct, and protect the data in a database.
- **Application Development:** Develop prototypes of data entry screens, queries, forms, reports, and labels for a proposed application.



### Database Management Packages

- Popular database management programs include dBASE, Paradox, and FoxPro access, Oracle.
- Database management packages have different features, depending on their sophistication.
- A principal feature of database management software are as follows:



### Database Management Packages

- **Retrieve/Display:** The program can search each record for a match in a particular field to whatever data users specify.
- The records can then be displayed on the screen for viewing, updating, or editing.



### Database Management Packages

- **Sort:** Normally, records are entered the database in the order they occur.
- There are many ways users can quickly rearrange the records in the file.
- **Calculate/Format:** Many database programs contain built-in math formulas.
- for example, you can find the highest or lowest commissions earned and calculate the average of the commissions earned.



### Database Management Packages

- **Program Control Languages:** Many database management programs include a programming control language so that advanced users can create sophisticated applications.



## Presentation tools

- The presentation programs can make giving presentations and using overheads easier.
- Other uses include:
- Slide Shows
- Repeating Computer Presentations on a computer monitor



## Presentation tools

- The most recognized graphic presentation programs are
- Microsoft PowerPoint and Harvard Graphics.
- Others are:
- AppleWorks (slideshowes), HyperStudio, Flash, Director, HyperCard, Digital Chisel, SuperCard, Corel Envoy



## Microsoft PowerPoint

- PowerPoint presentations consist of a number of individual pages or "slides".
- The "slide" analogy is a reference to the slide projector.
- A better analogy would be the "foils" (or transparencies/plastic sheets) that are shown with an overhead projector.



## Microsoft PowerPoint

- Slides may contain text, graphics, sound, movies, and other objects, which may be arranged freely.
- The presentation can be printed, displayed live on a computer, or
- navigated through at the command of the presenter.



## Microsoft PowerPoint

- For larger audiences the computer display is often projected using a video projector.
- Slides can also form the basis of webcasts.



## Microsoft PowerPoint

- PowerPoint provides the ability to create a presentation that includes music which plays throughout the entire presentation or
- sound effects for particular slides.
- In addition to the ability to add sound files, the presentation can be designed to run, like a movie, on its own.



### Microsoft PowerPoint

- PowerPoint allows the user to record the slide show with narration and a laser pointer.
- Microsoft also offers the ability to broadcast the presentation to specific users via a link and Windows Live.



### Accounting software

- records & processes accounting transactions within functional modules
- such as accounts payable, accounts receivable, payroll, and trial balance.
- It functions as an accounting information system.



### Accounting software

- It may be developed in-house by the company or organization using it,
- may be purchased from a third party, or
- may be a combination of a third-party application software package with local modifications.
- It varies greatly in its complexity and cost



### Accounting software

- Accounting software is typically composed of various modules,
- different sections dealing with particular areas of accounting.
- Among the most common are:



### Accounting software

- **Accounts receivable**—where the company enters money received
- **Accounts payable**—where the company enters its bills and pays money it owes
- **General ledger**—the company's "books"
- **Billing**—where the company produces invoices to clients/customers
- **Stock/inventory**—where the company keeps control of its inventory



### Accounting software

- **Purchase order**—where the company orders inventory
- **Sales order**—where the company records customer orders for the supply of inventory
- **Bookkeeping**—where the company records collection and payment



### Accounting software

- Non-core modules
- **Debt collection**—where the company tracks attempts to collect overdue bills (sometimes part of accounts receivable)
- Electronic payment processing
- **Inquiries**—where the company looks up information on screen without any edits or additions



### Accounting software

- **Payroll**—where the company tracks salary, wages, and related taxes
- **Purchase requisition**—where requests for purchase orders are made, approved and tracked
- **Reconciliation**—compares records from parties at both sides of transactions for consistency
- etc



### Web Browsers

- Web Browsers provide an easy to surf the Internet.
- Use search engines to find people, places, and things world-wide.
- Create your own web page to tell the world about you and your job.



### Web Browsers

- Advertise your company and special activities.
- The two most popular web browsers are Netscape and Microsoft Internet Explorer.



### Questions

