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Modeling and Simulation

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Parts of a CBIS

- Five parts
 - Hardware
 - Software
 - Database
 - Telecommunications
 - Networks



Parts of a CBIS

- Five parts
 - Hardware
 - Software
 - Database
 - Telecommunications
 - Networks 



Internet and Intranet

Internet

- The world's largest telecommunications network.
- A network of networks Free exchange of information.
- A global network connecting millions of computers.



Internet and Intranet

Intranet

- **A network that uses Internet technology within an organization.**
- **A network belonging to an organization.**



People and Procedures

People

**The most important element in most computer-based information systems Includes people who manage, run program, and maintain the system
E.g., IT professionals.**

Procedures

Includes the strategies, policies, methods, and rules for using the CBIS



Business Information Systems

Types

Transaction processing systems

E-commerce systems

**Management information
systems**

Decision support systems

Expert systems



Transactions Processing Systems

Transaction

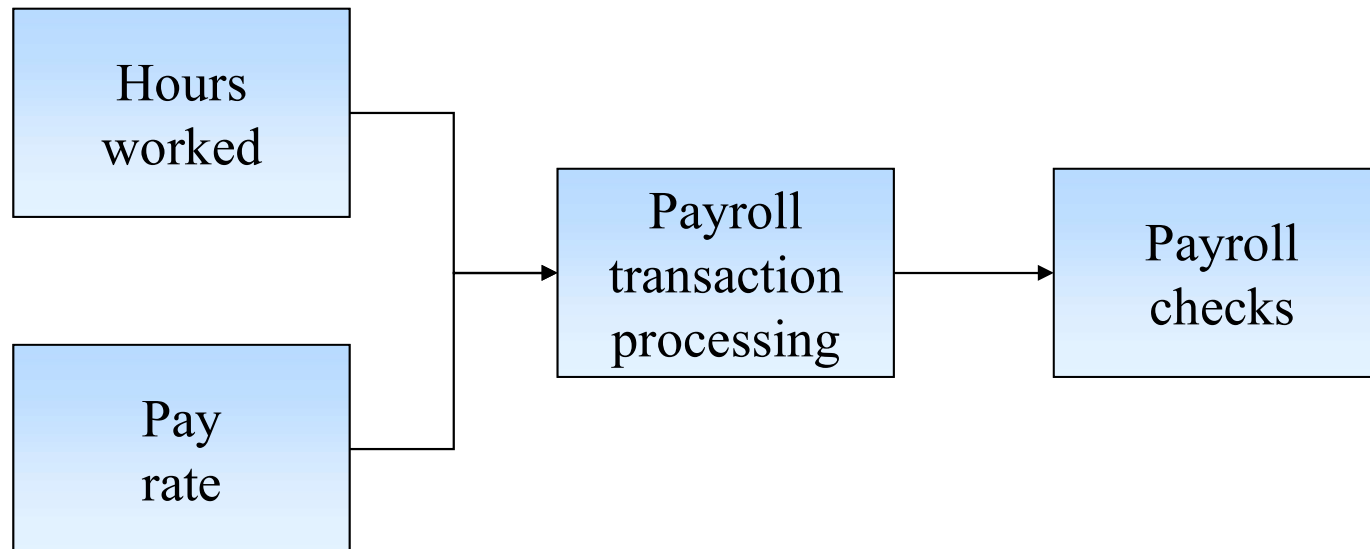
- **Any business-related exchange**
- **E.g., generating a weekly payroll**

Transaction processing system (TPS)

- **An organized collection of people, procedures, software, databases, and devices used to record completed for business related exchanges**



Payroll Example



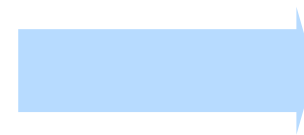
Business Information Systems

Types

Transaction processing systems

E-commerce systems

**Management information
systems**



Decision support systems

Expert systems



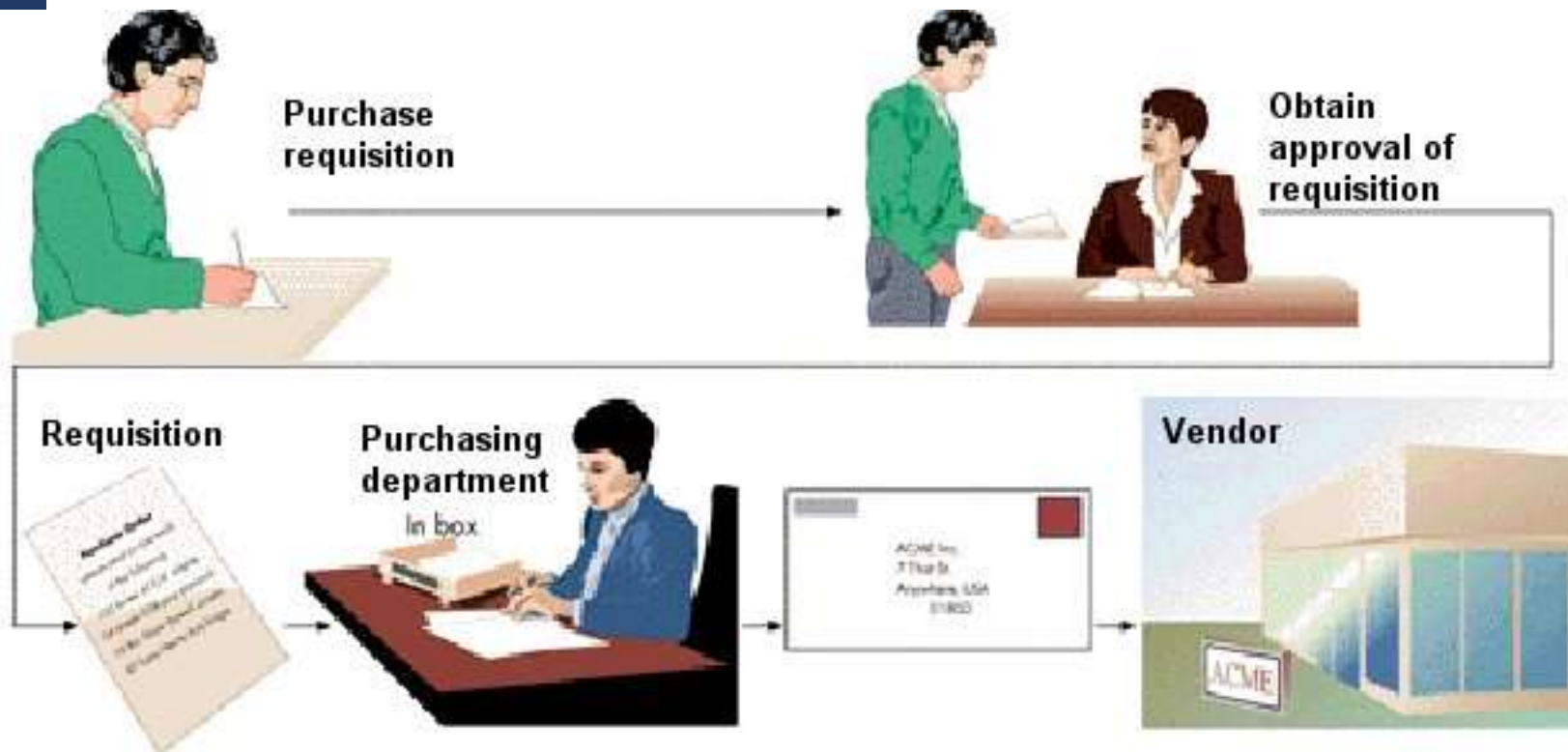
E-Commerce System

E-commerce

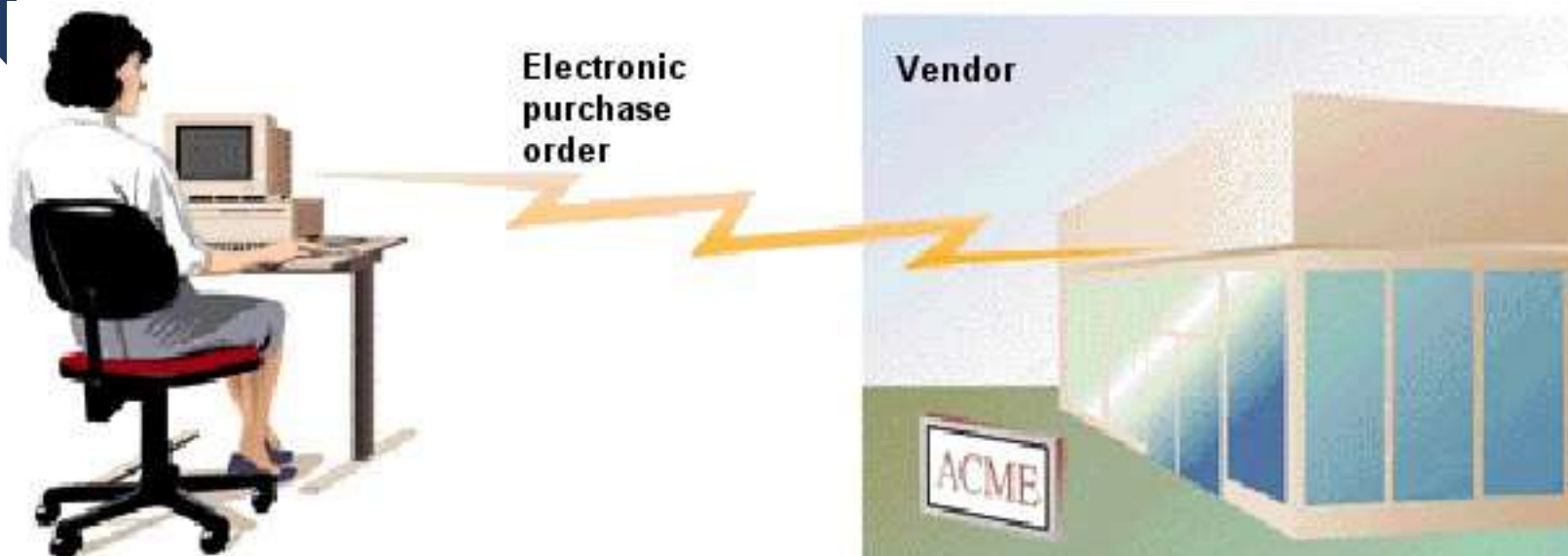
- **Involves any business transaction executed electronically**
- **Conducting business on-line**



Purchase Order - Traditional



Purchase Order – E-commerce



Questions

Q1: _____ is considered a network of networks .

- a) Intranet**
- b) Stare**
- c) Extranet**
- d) Internet**



Questions

Q2: A network that uses _____ technology within an organization is called Intranet.

- a) Bus**
- b) Stare**
- c) Extranet**
- d) Internet**



Questions

Q3: A network which is connected to Internet and belonging to an organization is called_____.

- a) Intranet**
- b) Stare**
- c) Extranet**
- d) Ring**



Questions

Q4: The most important element in most _____ includes people who manage, run program, and maintain the system E.g., IT professionals.

- a) CBIS**
- b) E-commerce**
- c) Procedures**
- d) None of these**



Questions

Q5: _____ includes the strategies, policies, methods, and rules for using the CBIS.

- a) Systems
- b) Software
- c) **Procedures**
- d) Architecture



Questions

Q6: _____ involves any business transaction executed electronically.

- a) TPS
- b) **E-commerce**
- c) Procedures
- d) Web



Questions

Q7: _____ means Conducting business on-line.

- a) TPS**
- b) CBIS**
- c) Procedures**
- d) E-commerce**



Questions

Q8: Any business-related exchange is called

- _____.
- a) Transaction**
 - b) CBIS**
 - c) Procedure**
 - d) E-commerce**



Questions

Q9: An organized collection of people, procedures, software, databases, and devices used to record completed for business related exchanges is called

_____.

- a) TPS**
- b) CBIS**
- c) Procedures**
- d) E-commerce**

