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1. Information System: A set of components that collect, process, store, and distribute information to support decision-making and control in an organization.
2. Organization: A structured group of people working together to achieve common goals.
3. Accounting: The process of recording, summarizing, and analyzing financial transactions.
4. Marketing: Activities to promote and sell products or services to customers.
5. Human Resources: The department managing employee recruitment, training, and welfare.
6. Production: The process of creating goods or services for sale.
7. Research: Investigation to discover new knowledge or improve existing solutions.
8. Information/Data Workers: Employees who handle, process, or analyze data and information.
9. Project Managers: Individuals responsible for planning, executing, and completing projects.
10. Top Management: Senior executives who set organizational goals and strategies.
11. Middle Management: Managers who implement top management plans and oversee supervisors.
12. Supervisors: Front-line managers who direct daily operations and employees.
13. Transaction Processing System (TPS): A system that processes routine business transactions.
14. CAD/CAM: Computer-aided design (CAD) and manufacturing (CAM) for product creation.
15. Management Information System (MIS): A system providing managers with data for decision-making.
16. Periodic Report: A scheduled report summarizing regular activities.
17. Exception Report: A report highlighting deviations from normal operations.
18. Decision Support System (DSS): A system aiding complex decision-making with data analysis.
19. Expert System: An AI system mimicking human expertise in specific domains.
20. Demand Report: A report generated on request for specific information.

Ecommerce Examples

1. B2C (Business-to-Consumer): Amazon, Walmart
2. B2B (Business-to-Business): Alibaba, Salesforce
3. C2C (Consumer-to-Consumer): eBay, Etsy

System and SLC Questions

1. What is a system?   
   A system is a set of interrelated components working together toward a common goal.
2. Six phases of the SLC (Systems Life Cycle)   
   Preliminary Investigation, Systems Analysis, Systems Design, Systems Development, Systems Implementation, Maintenance.
3. Three tasks during preliminary investigation

Define the problem.

Gather initial data.

Assess feasibility.

1. Three tasks during systems analysis

Analyze current system.

Identify requirements.

Document findings.

1. How are alternate systems compared during systems design?   
   Alternate systems are compared based on cost, efficiency, scalability, usability, and alignment with organizational goals.
2. Activities in systems development phase

Coding, testing, debugging.

1. Systems implementation phase and four types of testing

Definition: The phase where the system is installed and made operational.

Testing Types: Unit testing (individual components), integration testing (combined components), system testing (entire system), acceptance testing (user validation).

1. Purpose of the maintenance phase   
   To monitor, update, and fix the system to ensure ongoing performance.
2. What is prototyping?   
   Prototyping is creating a working model of a system for testing and feedback.
3. What is RAD?   
   Rapid Application Development (RAD) is a fast, iterative approach to system development.