# Module 2
# Introduction to Databases and DBMSs
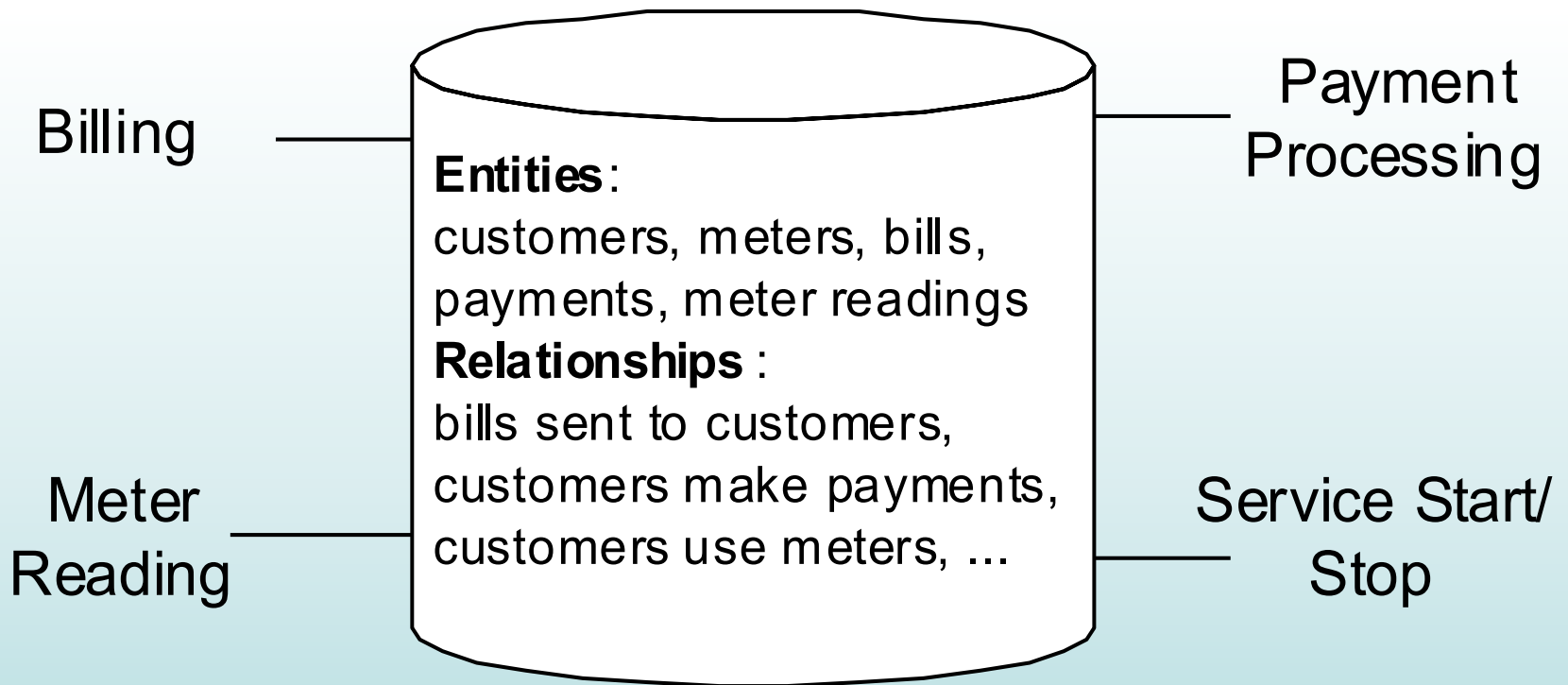
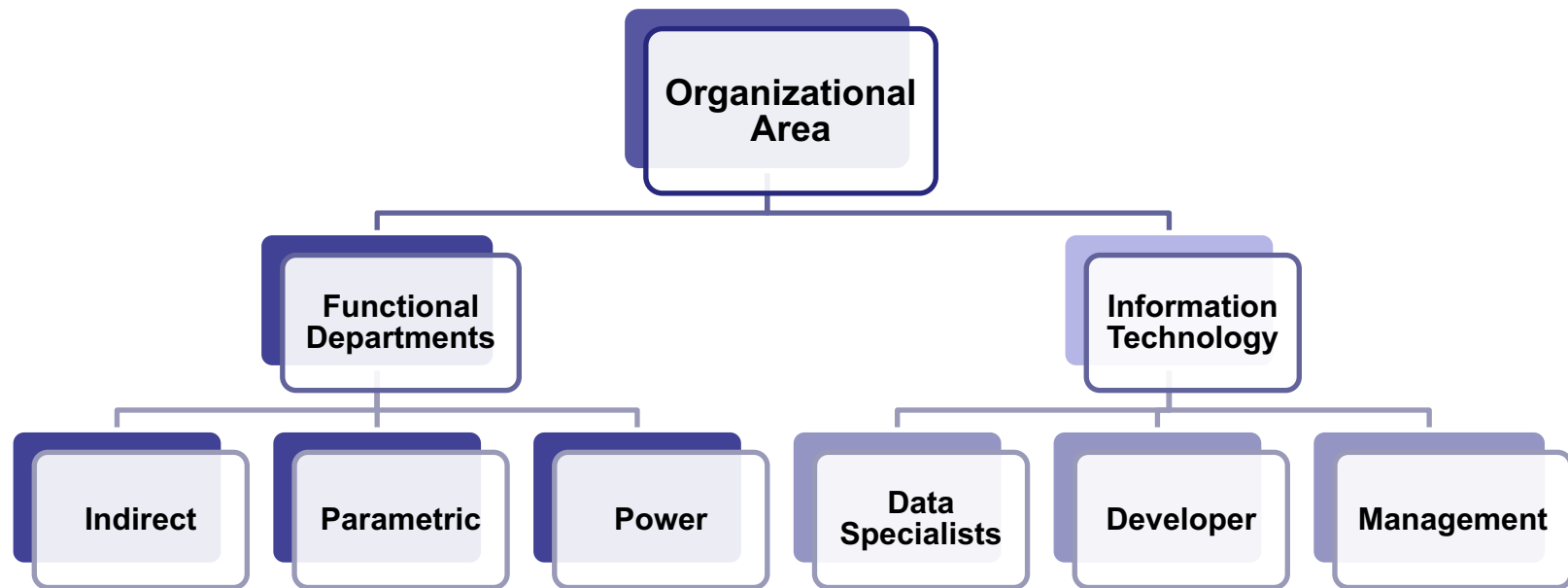## Lesson 2: Organizational Roles

# Lesson Objectives

- Discuss organizational roles in functional areas and information technology departments

- Think about your career interest especially your potential roles in information technology departments

# Water Utility Database

Billing

Meter Reading

**Entities**:
customers, meters, bills, payments, meter readings
**Relationships** :
bills sent to customers, customers make payments, customers use meters, ...

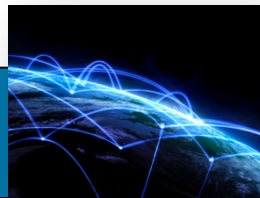Payment Processing

Service Start/ Stop

# Organizational Roles

# Database Specialists

- Database administrator (DBA)
  - More technical
  - DBMS specific skills
- Data administrator
  - Less technical
  - Planning role

Information Systems Program

# Summary

- Databases and database technology vital to modern organizations

- Database technology supports daily operations and decision making

- Active working with database technology as developer, data specialist, or power user

- Many opportunities to work with databases