

CTEC323 Lecture 3

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Questions

- ▶ What is a relationship?
- ▶ Give an example of each of the three types of relationships.
- ▶ What is a table?
- ▶ What roll does it play in the relational model?

Insure Co

Ch02_InsureCo.mdb

- ▶ Write the business rule(s) that governs the relationship between AGENT and CUSTOMER.

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- ▶ Write the business rule(s) that governs the relationship between AGENT and CUSTOMER.
 - ▶ One agent can have many customers.
 - ▶ Each customer has only one agent.
- ▶ What kind of relationship is this?

Insure Co

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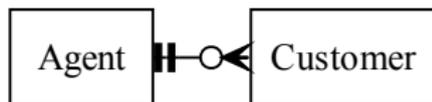
- ▶ Write the business rule(s) that governs the relationship between AGENT and CUSTOMER.
 - ▶ One agent can have many customers.
 - ▶ Each customer has only one agent.
- ▶ What kind of relationship is this?
 - ▶ 1:M between agent and customer

ERD for Insure Co

Create the basic Crow's foot ERD

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Network and Hierarchical Models

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Network and Hierarchical Models

- ▶ Describe the root and level 1 segments for representing the agent-customer data in a hierarchical model
 - ▶ Root is agent; level 1 segment is customers
- ▶ Identify the record types and set (including owner and member) in a network model
 - ▶ Set can be called **service**; owner record is agent, member record is customer

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Identify each relationship type and write all of the business rules.

Deal Co

Ch02_DealCo.mdb

Identify each relationship type and write all of the business rules.

- ▶ One region can be the location for many stores. Each store is located in only one region
- ▶ relationship between REGION and STORE is 1:M
- ▶ Each store employs one or more employees. Each employee is employed by one store.
- ▶ Relationship between store and employee is 1:M
- ▶ A job can be assigned to many employees. Each employee can have only one job assignment.
- ▶ Relationship between job and employee is 1:M

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