

# CTEC323 Lecture 3

Dan Zingaro  
OISE/UT

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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?

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Ch02\_InsureCo.mdb

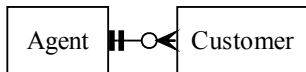
- ▶ Write the business rule(s) that governs the relationship between AGENT and CUSTOMER.
  - ▶ One agent can have many customers.
  - ▶ Each customer has only one agent.
- ▶ What kind of relationship is this?
  - ▶ 1:M between agent and customer

# 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

# Deal Co

Ch02\_DealCo.mdb

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

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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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