

Practices for Lesson 6: Identifying Entities and Attributes

Chapter 6

Practice 6-1: Identify Entities and Attributes

Task

In this practice, you identify and model the entities and attributes for Starlight Online Movie Rental. Write a brief description of each entity. Show at least two attributes for each entity.

For your convenience, here is a summary of part of the business analyst's report:

- Starlight Rentals wants to introduce memberships (Gold, Silver, and Bronze).
- A membership can be for an individual customer or an organization.
- An organization may be a part of another organization.
- Starlight Rentals must keep track of the reasons why memberships terminate.
- The actual fee that is paid by a member can be less than the standard fee.
- The type of membership cannot be modified. An upgrade always leads to termination of the current membership and creation of a new one.
- Memberships can be renewed annually.
- A membership can start at any time and is valid for a period of a year.
- Silver and Gold memberships entitle members to privileges.
- One privilege is a type-dependent discount percentage of each rental.

Practice 6-2: Identify Entities and Attributes

Tasks

In this practice, you identify and model the entities in the following set of information requirements:

District Hotel Manager, Sharon Ferguson, would like to manage the information that her company keeps about their hotels, guests, and rooms. Sharon is responsible for multiple hotels in various locations. Sharon would like to know what rooms she has in which hotels and what the price is for each room. She would also like to know which rooms have been reserved for a particular date by a guest.

Perform the following tasks:

1. Examine the nouns. Are they things of significance?
2. Name each entity.
3. Is there information of interest about the entity that the business needs to hold?
4. Diagram each entity and its attributes.