Art Museum

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Conceptual Model

Entity-Relationship Model

Chen's Notation and Crow's Feet Notation

Art Museum Description

An art museum owns a Large collection of art works. Each work is described by an item code, title, type and size. Size is further decomposed into height, width, and weight. The size information is important for storage and transportation considerations. A work is developed by an artist, But the artist for some works may not be known. An artist is described by an artist id, name, date of birth, and date of death (null for living artists). Only data about artists for works currently owned by the museum are kept in the database. At any point in time, a work can be on display, held in storage, or on loan to another museum.
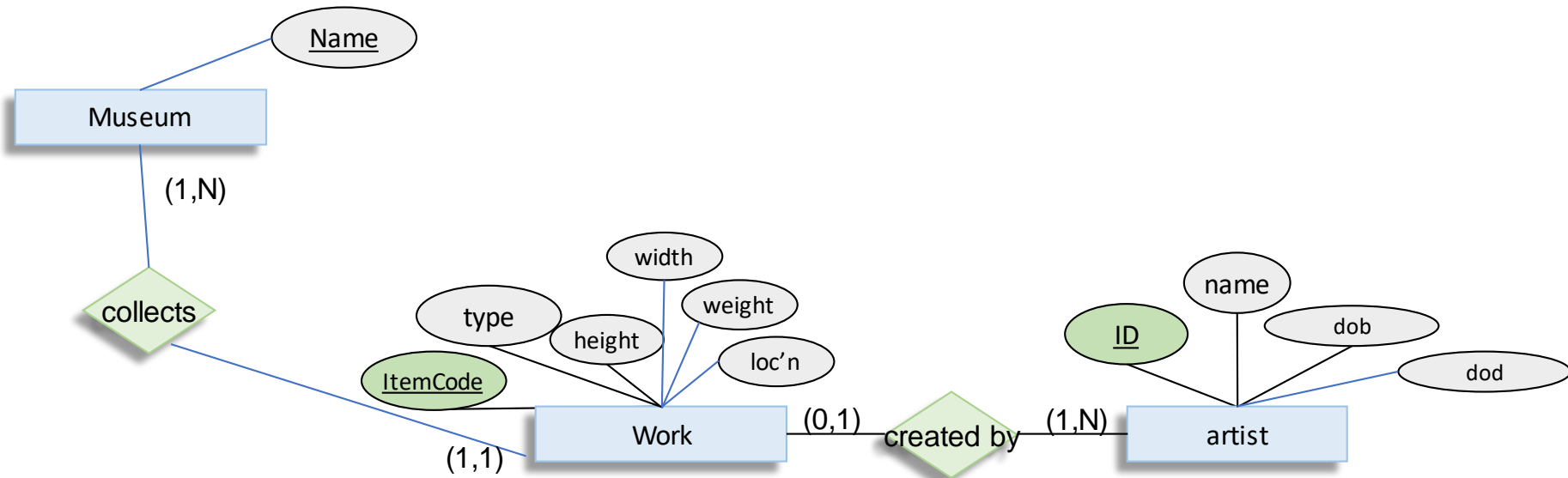
Note: the concept of "null" is going to be very important in a database implementation.

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Chen's Notation

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Work

Museum
Name

ItemCode
type
title
width
weight
height
location

Artist

ID
name
dob
dod