Entity-Relationship Diagram Yacht Club

Objectives

- Identify the entities, interrelationships and correct cardinalities of them in a specific scenario.
- Draw the ERD of a specific scenario using the notation explained in class.

Introduction

A yacht club wants to have computerized the data corresponding to its facilities, employees, partners and vessels. The club is organized in the following way:

RQ10

Requirements	
RQ1	The club members are defined by their name, address, ID, telephone number and date of entry into the club.
RQ2	The vessels are defined by: registration number, name, type and dimensions.
RQ3	The moorings' data needed is the mooring number, the reading of the water and electricity meter, and whether or not they have contracted maintenance services.
RQ4	A vessel belongs to a member although a member can have several vessels.
RQ5	A vessel will occupy a mooring and a mooring is occupied by a single vessel. Unoccupied moorings may exist. The date on which a vessel is assigned to a mooring is important.
RQ6	Members can own moorings, the date of purchase of the mooring is important. A mooring belongs to a single member and there IS NOT a direct relationship between the mooring purchase date and the date a vessel is assigned to a mooring.
RQ7	The yacht club is divided into several areas defined by a letter, the type of vessels tied up, the number of vessels it contains, the moorings depth and width.
RQ8	An area will have multiple moorings and a mooring belongs to a single zone.
RQ9	The employees are defined by their code, name, address, telephone number and specialty.

An employee is assigned to several zones and in a zone there can be more than one

employee, being of interest the number of ships he handles in each zone.