Database Fundamentals

LabSheet 6

label

Entity Type

Symbols to use:

Question 1: Draw an entity relationship diagram for each of the following. Make sure you have the correct cardinality, degree and participation for each relationship. Crow’s feet can be copied from the symbols above.

1. A managing director manages one company. Each company has one managing director.

manages

Company

Managing Director

1. Each company employs one or more full-time Sales staff.

employs

Sales Staff

Company

1. Each customer places their orders with one or more Sales staff.

orders

Company

Customer

1. A customer can order one or more products. Some products may never have been ordered.

orders

Prodcuts

Customer

1. A large bank operates several departments. A department is managed one manager, and can have many employees.

An employee is assigned to one or more project in the bank. A project may be planned, but not have any employees assigned to it for several months. Each project will have a single employee assigned who acts as a project leader.

Assigned to

manages

employs

Project leader

Project

Employee

Manager

Department